

SEQUENCE LISTING

<110> Abuin, Alejandro
Zambrowicz, Brian
Sands, Arthur T.

<120> NOVEL MUTATED MAMMALIAN CELLS AND
ANIMALS

<130> LEX-0304-USA

<150> US 60/265,574

<151> 2001-01-31

<160> 248

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<210> 1

<211> 297

<212> DNA

<213> Mus musculus

<400> 1

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aaccacatgg tggcctcata accatccgta acgaaatctg atgccctctt ctggaatgtc 240
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<210> 2

<211> 656

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(656)

<223> n = A,T,C or G

<400> 2

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<211> 651

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 <213> Mus musculus
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 ttaacttaac agggaccatc cagcttctag agatcatgag ggcccacgga gtgaagagcc 360
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 tgatccggga cctgtgccg gacagacacgg cctggaacgc cgtgctgctt cgggtacttca 540
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 acctcatgcc ctacgtctcc cagggtggcaa tcgggcgaca agaggttcat t 651

<210> 4
 <211> 647
 <212> DNA
 <213> Mus musculus

<400> 4
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 gtttgagat gcaaaccctt acaaggacaa gtttctgcga gagcaaattg aaaagtctag 180
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 cacggtatat gtggagttgc tccccaaaaa tgttactcat agctggattg agagagtatt 420
 tgggaaatgt ggcaatgtgg ttacataag tattccacat tacaagtcta ctggggatcc 480
 taagggattt gcctttgtgg aatttgaaac aaaagagcaa gcagcaaaag ccattgagtt 540
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<210> 5
 <211> 647
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(647)
 <223> n = A,T,C or G

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 gagcgtgtgt cgggcctggc gggctccatc taccgcgagt tcgagcgctt cattcactgc 180
 tatgacgagg aggtggtcaa ggagctcatg ccgctggtgg tgaacgtgct ggagaaccnn 240
 gactcgggtgc tgagcgagaa ccaggagcac gaggtggagc tggagctcct acgcgaggac 300
 aacgagcagc tgctcacgca atacgagcgc gagaaggcgc tgcgcaaaca ggccgaggag 360

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nngngtgtgc cccggnccgc gcctngagng acgngngtgnn tagangtgca gnacccagnt 420
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tntccatcca atngagacct aaanacacagc ctgtgcaaag nccggnagac ntngncccc 540
attcctgctg gncctctgacc ttggctgncg ccngetnnnt ctnggattnt attccttccc 600
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<210> 6
<211> 645
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (1)...(645)
<223> n = A,T,C or G

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<400> 6
agtttgtggg cattgcccc nctaanatat ccacaccggn accccgannt agaagactca 60
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ttccaggaca ggagagctct ctgcagtggg cagggatgaa gtttgaggac gtcccaattg 180
cacacattaa agcaacctac aacaacacac agatccaggt agtctctgcc accaatgcgt 240
ccctggcccc cgctcctgtt ggcacagaag gctttcgcaa tgccaagaag ggcaccggca 300
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caggtcttga ctctgtgga tcctacagaa ggcccactgt ggaagccgct ggagccggct 600
gttctcgagc cctncttggg gaaacactcc ttttctcgca ccgag 645

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<210> 7
<211> 636
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (1)...(636)
<223> n = A,T,C or G

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<400> 7
acctgagtgc aaaacattnn aagaacactt tgagaagcac atattccagg aaacagaaaag 60
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gcataccggg agcactcgag gaagaagagg agacttacga aaccttcgac cccctctgc 180
acagtacggc tatctacgca gaagacgagc tgtccaaaca ctgtgtgtcc tcagttccc 240
tggccaccca cagagggaag gcgagcagaa acttggaacc ttctgaagat gaagcaagt 300
gaaatgagtc tatcaaggtc agcacaaaaa agccaaggag aaagctggag cccatcagcg 360
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cggtcactcc caggaggaca agactccaca gcgctcagct ctctcctgta gacgagacac 540
cagcaaccca aagtcagctg gtgagcagtg ctgcctcctg cctcgtctcg ggagagaaga 600
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<210> 8
<211> 636
<212> DNA
<213> Mus musculus

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<220>
 <221> misc_feature
 <222> (1)...(636)
 <223> n = A,T,C or G

<400> 8
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 ggctggagcg acgtggagca cgggtggggac ggctggaagg tggaggaact gcccggagac 420
 aatggggngg aatttaccca anatgacagc gttaagaaat acttcgcctc ctccttcgag 480
 tgggtgtcgca aagcgcaggt cattgatctg caggcagagg gctactggga ggagctactg 540
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 agcctgtatg agctcactgn gaggtctgctg tcgtga 636

<210> 9
 <211> 635
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(635)
 <223> n = A,T,C or G

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 catgtaggag ttgcttggcc caaagtgttc atcaagacca gcctggaaga ggcctcagtg 180
 aagatgacat tcgcagggca cgggaggccc ggctcaggaa ggcaccccg gcccagctga 240
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 gggggctggc tgtgggcttg ggcttgggag cgctggctga ggtgactaag aagtccttgc 360
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 aggccaatgc tgagaggatc gngcagacct tatgtacagt ccgggggggct gccctcaaga 480
 tcggccaaat gctcagtatc caggacaaca gctttatcag ccccagctt cagcgaatct 540
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<210> 10
 <211> 634
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(634)
 <223> n = A,T,C or G

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 acgtnacaca gcacacagct cttgctgnaa cccatnttna cngtctgact gnnngactgn 180
 attatacntn nacaaaaggg cncactcagn catgctnang aacannttan gcgtgaggna 240

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tncacgagaa gaaggaacat tctaccgct gaaa 634

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<210> 11
<211> 634
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (1)...(634)
<223> n = A,T,C or G

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<400> 11
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ctcgctgtt cacagtttat tgctccgctc tgttcgttct gcctcttctt gggttgcatg 180
aagcagcgag cttttaccag cgtgctttgc tggccaatgc tctgaccagc gctctgaggc 240
tgcacagag attacctcac ttccagttga gcagagtgtt cctggctcag gccttgtag 300
aggacagctg ccactacctg ctgtattcac tcatcttcgt caactcctac cctgtcacia 360
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ctacaggtn tctgtctctt agngggcaag gaagnttgct ncancctttt ttatattatn 600
ganttcttac tcttcnatat tcctctagaa aaaa 634

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<210> 12
<211> 633
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (1)...(633)
<223> n = A,T,C or G

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<400> 12
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ggccaaacgc agcatccttt ggacctcctt ttggacttga cctccttcca gaacttcac 180
cactaaatgc gcattcgga aacaaagctg acttccaaag gagtgataga atcaacatgg 240
aaacaaacac caaggcttta aaaggcgctg gcatgactgt gctgccagcc aaagcctctg 300
aggtgaacct ggaagaacta cctcctctga attacttttt acatgcattt tattacagtt 360
ggtatggaaa tccacagttt gatggtaa atatacactg gaatcatccg gtcttggaac 420
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ttggctccag tttttatcct gagttaggaa gttacagctc tcgagaccct tctgtcatag 540
aaactcacat gaaacaaatg cgctcagcct caattgggtg ggaattattt tattttattt 600
atztatngt atataaataa ttctgggtgga caa 633

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<210> 13
<211> 633

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<212> DNA
 <213> Mus musculus

<220>
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 <223> n = A,T,C or G

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 gccttgctgg tcaattatat caccgcctac atggttctct ttgacttcgg caacctgaga 180
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 gtgctgaagg agaacggggg cacacacccc atcgactacc acacgactga ctatgtggac 360
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 nacacnggca agggctacca cctcctcana cccatgggca aagntgtcac ttacggaatg 480
 gctaacctgc tgacggggccc cangcggaac ctgatggcca tggcccgna cttggtggaat 540
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 ctgtnttacc tggatggaga ggtggaactc gtc 633

<210> 14
 <211> 632
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

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 gagcggcgga acccatggag gcctctctgg gtccgcgcgg agatcccatg gtggtgctgt 180
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<210> 15
 <211> 632
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(632)
 <223> n = A,T,C or G

<400> 15
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<210> 16
<211> 632
<212> DNA
<213> Mus musculus

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<400> 16
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acgcggcccc agaggcccat ggcattcctt cggaataact ttgagaggtt ggagaaggag 180
gaggcaagac agattcagtg tctacagaaa accggcatcc gtactgactc gaggaggagc 240
gagatctctc ctccaccccc caatccagtg gtgaagggcc gacggcgccg aggtgctatc 300
agtgtggaag tttacactga ggaggatgct gcctcctacg ttgaaaggt tattccaaaa 360
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```

<210> 17
<211> 629
<212> DNA
<213> Mus musculus

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<220>
<221> misc_feature
<222> (1)...(629)
<223> n = A,T,C or G

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<400> 17
gtcctgaccg acaactttgc tgaaactgaa nagecgtgtc aagcccagcc gcccgctgtt 60
ggccccgggg gctctcctgg catccagaat tcggatcatg actcctgtga gcagccacgg 120
cttggcgagg agcatttttg acctggacta cgcttcgtgg aagattcggg cgactctagc 180
ggttgctggc tttgtcttct acctgggcgt ctttgtagtc tgccatcagc tctcatcgtc 240
cctgaatgcc acctaccgct ccctggcggc caaagagaag gtcttcttga acctgncggc 300
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accccgctgt ctatgccgac aaagctctcg ggcagcanaa ctggtgttgg tttcacatca 420
ccacggccac tggtctcttc ttctttgaga atgnngnecg tcacctgtcc aacctgttct 480
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<210> 18
<211> 628
<212> DNA
<213> Mus musculus

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<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

<400> 18
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 nagagattgc tgtgcagaat cctctggtgt cagagcggct ggaactctca gtccctgtaca 120
 aggagtatgc tgaggatgac aacatctacc aacagaagat caaggacctc cacaaaaagt 180
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<210> 19
 <211> 628
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(628)
 <223> n = A,T,C or G

<400> 19
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 gcctgaatgg gctgccttgc tgtactatgg acccttcatt gtcgtcttcc agttttggctg 120
 ggctgccacg cagattgccc acctgagcct catcccagag ctggtgacca gtgaccacga 180
 gaaggnngag ctcacggccc tcaggtatgc gttcactgtg gnggctaaca tcaccgtgta 240
 cggcgcancc tggctgtgtc tgcacttgca gggctctgca cacggcgagc aggacatcag 300
 tgtgggtgac cagctaggag tccaggatgt gcccggttcc cggaacctgg ccctgcttgt 360
 ggnnggtgtg ggagccatct tctctctgct cttccacttg ggtaccaagg agggccacag 420
 gtcccancac tggggggaac gaaccnatg agcacacccc cctggtggcc ccagccggnt 480
 ccagccactg ntgctgttgg aaacactggc tttnngggagc cngcnttttt ntaaggtagg 540
 gcatgctgta catgaccaca aggcttcatt tngngaaaccn gtctcagaacn ctacatttgc 600
 nangcgcctc gacctatttt ttttttagc 628

<210> 20
 <211> 627
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(627)
 <223> n = A,T,C or G

<400> 20
 cttggtggcc cgtctcttgt ttttcttggt ttatgacttt cggcttttgt gaatacggct 60
 gagatgaaag gatttattga cgatgcgaac tactccgttg gcctgttggg tangaagaacc 120
 aacctnncaa atgtnatgnc naactatgcc ttngaccgtg ccctgacagg aaaaaaatgc 180
 attttttgtg ggggatcttg ggaagatcgt gaagaagcac agtcagtggc agaccgtggt 240


```

ggctcagata aagccgtttt acacgggtgaa gtgcaactcc actccagccg tgcttgagat 300
cttggcagct cttggaactg ggtttgcttg ttccagcaaa aatgaaatgg ctttagtgca 360
agaattgggt gtatctccag aaaacatcat ttccacaagt ccttgtaagc aagtgtctca 420
gataaagtat gcagcaaaag ttggagtaaa tattatgaca tgtgacaatg agattgaatt 480
aaagaaaatt gcanaggaat caccctaatg ccaaggtctt actacatatt gcaaacagaa 540
gataatattg naggtgaaga aggggaacatg aaagtttggc nctacnctga agaantgnag 600
ggcatcttta ctgcacctcc tgggaaa                                627

```

```

<210> 21
<211> 621
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

```

```

<400> 21
tgagaccctt gctattgctg atatctacnc agaactngcc catcnagtgg tagtagccta 60
gtatgcaccc agcggattct acattgcttc tggagacatc tctgggaagc taaggatctg 120
ggataccaca cagaaggagc atcttctaaa gtatgagtag cagcctttcg ctgggaagat 180
caaggacatt gcctggacgg aagacagtaa gaggatcgcc gtggtcgggg aaggaaggga 240
gaagtttggg gctgtcttct tatgggacac tggctcttct gtgggtgaga tcacaggaca 300
caacaaagtc atcaacagtg tggacataaa gcagaccagg ccctaccgac tagcaacagg 360
gagtgatgat aactgtgctg cgttcttcga gggccctcca ttcaagttca agttcacaaat 420
tggtgaccac agccgctttg tcaactgtgt gcgattctct cctgatggga acagatttgc 480
cacagctagc gctgatggcc agattttcat ttatgatggg aagacgggag agaaggtgtg 540
tgcccttgga gaaagcaagg cccatgatgg aggaatttat gccattagtt ggagtcctga 600
tagcactcat ttgctatctg c                                621

```

```

<210> 22
<211> 621
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

```

```

<400> 22
acctgaggag tgaagatagt ccagnnccta agagacagcg cctctctcat tcagtctttg 60
attatacatc agcatcacca gtcacctcac caccaatgcy accatgggag atgacatcaa 120
ataggcagcc cccttcagtt cgaccaaata aacatcactt ctcaggggaa cgctgtaaca 180
cacctgcacg caacagaaga agtcctcctg ttaggcgtca gcgaggaaga agggaaacgct 240
tgtctcgaca taattccatt agtcaagatg aaaactatca ccatctccct tatgcacagc 300
agcaagcaat agaggaacct cgagccttcc accctccgaa tgtatctccc cgtctgttac 360
atccagctgc ccatcccccc cagcagaatg cagtcatggt tgacatacat gatcaggtag 420
anntacnnaa tgnccctggaa ctncntgngn taaaagntaa cgggtgntaa ngnggatcta 480
tcganntgng gggcttggtg cnngntcctn naattcctga agtgcancna gnttgngtgg 540
nncntnctt tnannaangg aaatttagcc agggntgtg gcacataact tgaacattgt 600
ntcaatgaat gaatgagaga a                                621

```

```

<210> 23
<211> 621

```

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(621)
<223> n = A,T,C or G

<400> 23
atgtctcctgg ggccccctcct ctgncaange cttgancctt catgtaagta ccatttttctg 60
atggatgagc acgtggtagg aacacccctg ctggtgaagt ctggtgtgga gtacacacng 120
cttgctgtgg agtcagctcg gggccttgat gggagcagcc atgtgggtcat gtatctgggt 180
acctccacgg ggtccctgca caaggctgtg gtgcctcagg acagcagtgc ttatctcgtg 240
gaggagattc agctgagccc tgactctgag cctgttcgaa acctgcagct ggcccccgcc 300
caggggtgcag tgtttgcagg cttctctgga ggcattctgga gagttcccag ggccaattgc 360
agtgtctacn agagctgtgt ggactgtgtg cttgccaggg accctcactg tgcctgggac 420
cctgaatcaa nactctgcag ctttctgtct ggctctacca agccttgga gcaggacatg 480
gaacgcggca acccggagtg ggtatgcacc cgtggcccca tggccaggag cccccggcgt 540
cagagccccc ctcaactaat taaagaagtc ctgacagtcc ccaactccat cctggagctg 600
cctgcccccc acctgtcagc g 621

<210> 24
<211> 618
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

<400> 24
acatacacct gtgggataca cgaacttcaa gactgngatg ctantgtttt tattgccctt 60
tatcaatcca ttttgggaga aaaggtacca gacctcatag ttcttcccag gaatcaagaa 120
gacgaggccc acaatgtcca agcggtaatt gattcactcg ctttggatta ccttcagggtc 180
agcctgtctc acataacagg agaaaacata gtgaaagggg ataatagaatc tatcaggaat 240
ctcctagaaa tatttgatgg attgctggat tatctgacag aacacatcag tgaatcgtct 300
cccaacaaaa gtgaaactga gcagtattct aaagattctc atggagaaga agctggggag 360
gacctagaac gtaccgagga ggcgaagtgg agaaacgctt cttttatgag gtgttccttc 420
tcacgggaca ctttgggccc cacctgggat gaagacgaag ctgagtcac aggtgaaata 480
attaggctgg gagacactgc acataccttt tcccaagaa gtaatggtgc tcaaaattct 540
aaggacttac gggctanaaa agcctcggct tcaccaggcg ttgagccacc tgaggaaatg 600
ttgaaccctg gcccattg 618

<210> 25
<211> 618
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

<400> 25
gcttgctgta acttggtctc cttacctgca cccccaagaa tgatgagatn ctatcagcng 60

```

ggnggntgn aataccctaa actggttttc cgagcaggnc ggcancatac ccncangagc 120
tgcttaangc aggtccccga ggcctttctc acactgcata ancatggntg cttgtttngg 180
gacngngnga ggatccaagg caaagatgng ctcaccccag tatctcncat cctcatcggtg 240
gacccaggct gcnccataca gtacttgaac accagactct tcacgggtgcc ctggcccgtg 300
aagggtctga ctgtcaagta cacagaggct gagatcgccg ctgcatgtca gaccttcccta 360
aagctcaatg actacctcca ggtggagacc atccaggcct tggaagaact ggctgtcaga 420
gagaaggcca atgaagatgc tgtgccactg tgcatggcag agttccccag ggccggcgtg 480
gggccgtcct gtgatgatga agtggacctt aagagcagag cagcctacaa cgtgactttg 540
ctaaacttca tggatcctca gaagatgccc tacttgaaag aggagccnta tttcggcatg 600
gggaagatgg cggtgagc

```

618

```

<210> 26
<211> 616
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

```

```

<400> 26
actttagctc ctctgtcagn atgaatggga accagcaatt ggctgcttat aaccaagaaa 60
agcagaattt catccagcac ttctcccaga tcgtcaagggt gctgactgag aaggagctgg 120
gacacccaga gataggggat gctattgccc ggctcaaggga ggtcctagag tacaatgcct 180
taggaggcaa gtacaaccgg ggtttgaccg tgggtacaagc cttccaggag ctggtggagc 240
cgaagaaaca ggatgctgag agtcttcagc gggccctgac agtgggctgg tgtgtagaac 300
tgctccaggc tttcttcctt gtgtcagatg acatcatgga ctcttccctc actcgccggg 360
gacagatntg ctggtatcag aagccaggca taggcttggg tgccatcaac gacgctctgc 420
ttctggaagc ctccatctat cgtttgctga agttctactg caggagcag ccctactacc 480
tgaacctgct ggagctcttt ctgcagagtt cctatcagac agagatcggg cagactctag 540
acctcatgac agcaccccag ggccatgtgg atcttggttag atacactgaa aagaggtaca 600
aatcgattgt caagg

```

616

```

<210> 27
<211> 615
<212> DNA
<213> Mus musculus

```

```

<400> 27
agtgtggctg ccaacgtccg ggtgggaaat gcaactgggcg caggaaacat tgaccaggcc 60
aagaagtcct cagctatttc cttgatagtc acagagctct ttgctgtgac cttctgcgtc 120
ctgctgctag gctgtaagga tctcgtgggc tacattttca ctaccgatcg ggatategtg 180
gccttggtgg ctcaagtgat ccccatttat gctgtgtccc acctctttga aggtcttgc 240
tgtacctgtg gtggtatcct gaggggcact gggaaccaga aggttgagc catcgtaaat 300
gccatcgggt attatgtcat tggcctcccc atcgggatcg cgctgatgtt tgctgctaag 360
ctgggagtga tcggcctgtg gtcaggcatc atcatctgca ctacctgtca gaccacgtgc 420
ttctggcctt ttattgctcg gctcaattgg aaacgcgcct gtcaacaggc tcaagtacat 480
gccaatttga aggtaaacgt ggccctgaat tccgctgtct ctcacgagcc tgctcaccca 540
gtgtgtcctg agagccatgg agaaattatg atgacggatc ttgaaaaaaa agacgagact 600
cagttggacc agccg

```

615

```

<210> 28
<211> 613
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(613)
<223> n = A,T,C or G

<400> 28
cgcagctgta tgcacaaaca ggcgggcatg agtnccagcc agncacgccc tggngcttgg 60
catgttcgnn ncaggtaaan gaccccgagg tacaagggtca tcctggcccc ncngtatggn 120
tctgagggca ggntcacctt cacctccac acccctgggtg agcaccagat ctgtcttcac 180
tcaaattcca ccaagttctc cctctttgnc ggagggatgc tgagggttca ccttgacatc 240
caagtgggcg aacatgcaaa cgactatgca gaaattgctg ccaaggacaa gctgagcgag 300
ctgcagctga ggggtgcgaca gctggtggag caagtggagc agatccaaaa ggagcagaac 360
taccagcggt ggcgagaaga gcgcttcaga caaaccagcg aaagcaccaa ccagcgagtg 420
ctatggtggt ncatcctgca gactctcatc ctctgggcca ttggcgctctg gcagatgcng 480
cacctcaaga gctttttttt aagccaanaa gttgggngta gcaacctgtc ccaagcctca 540
caggcgatnt ttntttcagg ctgtgggaag taagaagang actgggtttt aacccgcaaa 600
tggtcttggg gga
613

```

```

<210> 29
<211> 612
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(612)
<223> n = A,T,C or G

```

```

<400> 29
aacttcaagt cataagttta gtagaccaag naggcacatt cgaggtgctg tggatgctgc 60
tgtcccaact aacatcattg cggccaaggc tgctgaagtt cgtgccaaca aagtgaactg 120
gcagtcttat cttcaggggc agatgatttc tgctgaagat tgtgaattta ttcaaagggtt 180
tgaaatgaaa agaagttccg aggacaagca agagatgctt caaactgaag gcagccagtg 240
tgctaaaaca ttataaaatc tgatgacgca catctccaaa gaacagacag tgcagtacat 300
actaaccatg gttgacgata tgctgcagga aaatcaccag cgtgtcagca ttttctttga 360
ctatgcgaaa cgaagcaaga gcactgcctg gccatacttt ctgccaatgt tgaatcgcca 420
ggatcccttt actgttcata tggcagcaag aattatcgcc aagttagctg cttgggggaa 480
agaactgatg gaaggcagtg acttaaatta ctattttcaa ttggataaaa actcagctga 540
gttcacagaa acttcntggc agcnggtggt tgctgttgaa acaggaacaa atctcttcaa 600
gtgatagttt gc
612

```

```

<210> 30
<211> 612
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(612)
<223> n = A,T,C or G

```

```

<400> 30
actgttcgat atgatatcct gcccttatct cctttgtccc ggaatcgctt agcccagggtg 60
aagaggaaga tcctggtgct ggatctggac gaaacctga ttcactctna ccacgatggg 120
gtgctgaggg ctacagttag acctgggaca cctcccgact tcactctcaa ggtggtaata 180
gacaaacacc cagtccggtt ttttgtacat aagaggcccc atgtggattt cttcttagaa 240

```

```

gtggtaagcn agtgggnatga gcttgtggng tncacagcat gcatggaant ntatggctct 300
gctgnggcag ataaactgga caacagnaga agcattctta agaggagata ctacagacag 360
cactgcactt tggagttggg cagntacatc aaagacctct ccgtgggtcca cagcgacctg 420
tccagcatcg tgatcctgga caactcccc ggggcttaca ggagccaccc agacaatgcc 480
atccccatca aatcctgggt cagtgacccc agtgacacag cccttctcaa ccttctccca 540
atgctggatg cctcagggt cactgctgat gtccgatcgg ngctgagcgg aaaccttcac 600
caacataggg tt
612

```

```

<210> 31
<211> 611
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

```

```

<400> 31
gagatgaggg tgccgtcccg aacaacaaga atcactgtan tgggctgttg acaagnggnt 60
atgggnatgtg ccatcancat tctgggaaaag nctntggctg angaacttgc cctggctgga 120
tgtgttggaa gacaagctca tnggagagat gatggacctg cagcacggga gcttgttct 180
ccgactccg aaaattgttg ccgataaaga ttactctgtg acagccaact ctaagattgt 240
ggtggtgacg gcaggagtcc gccagcagga gggggagagt cggctcaacc tgggtgcagag 300
aaatgtcaac gtgttcaagt tcatcattcc tcagatcgtc aagtacagcc ctgactgcac 360
catcatcgtg gtttccaacc cagtggatat tctgacttac gtcacctgga aactgagcgg 420
gctacctaag caccgtgtga ttggaagcgg atgcaatctg gattctgctc gattccgcta 480
cctcatggca gagaagcttg gcattcatcc cagcanctgn cacggatgga tcttgggcga 540
gcatggagac tncagtgttg gctgtgtgga accggggtga atgtggcaag aantctccct 600
ccagaactga a
611

```

```

<210> 32
<211> 608
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(608)
<223> n = A,T,C or G

```

```

<400> 32
tgcttcgaat cctgctctct gcccagcact tcccctgctc ggctgtcttg tttgctgctc 60
atcccaccag tacagccctg ttgtttggga cccagcaagt ccggggaccg gccttttgga 120
ggaggccctg tgcaaggcct tcaacggctt ctggaacagg cacggagccc tggggagcta 180
ctgcatggc tgagccagaa cccacccaag gtgcatgctc atcactaccc tgtggcactc 240
cggcgtcttg gccagctctt ggtgtctcag cctaggccct ctctgtgga gcaggccaca 300
ctgcaggact tgagtcagct catcatccga aactgcccct cctttgacgt tcacaccatc 360
catgtgtgtc tccaccttgc agtggttact ggcngangann gaaatggaac gtcctgtgt 420
gccctcgagc aggagcgag gncctgtctc cctccaangc caccctcccc acatgggct 480
gccatctatg gnggtcaaag gttgnaagtg gccctgagct gccccggtt nctgcagnac 540
cctngtnagc atctgatcag aagcntggca gaggcaaggc cagaagaact gactcctcac 600
gtaatggg
608

```

```

<210> 33
<211> 606

```

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(606)
<223> n = A,T,C or G

<400> 33
ctctgcctta ccttcncaag ggcagaaaaan accaggcnca acncttntgc tacanggttt 60
gtcgcacaac gactcntntg gccgtatttc agaaaacaca nggctccnaa caaattgtgn 120
caaanggnaa tgtatgtang gaagaatgca tggatnngn ttnntntatt ancccancat 180
gcntnggtgt nagacacttt ctgnaatgta gngtccatgg cnggaggtat tcacaacacc 240
gaccctatgg gnncttccn tgctcctgan ggatgatgac aaactnngaa cagcgggtacc 300
gatgatattc ctgntnggga ccnanaattc ctgaaagttg accaagggaa cactttnttg 360
aacttatnct ggctgcnaac tacttaaaca tcaaaggttt gcttgatgtc acatgcagga 420
ctggggccaa tatnattaag ggggaaaact cctggaggag attcgnaaaa cctttcntgt 480
cnaaaatgga ntttactgga agaggngag gccaggtnc gcnaagagna accnangng 540
nggaanagaa ggggaactgct tgggcctgtc cctgtgaac antagaaggg gttgttccca 600
aatgc 606

<210> 34
<211> 598
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(598)
<223> n = A,T,C or G

<400> 34
actgaggtgt tacagtatct gaacagatgg ctgggaacga attctggggt tcagcaatgc 60
cacattccag tcagagaagg agactgggga tcggaattac gccatcggtt attacctcaa 120
ggagaagaag tgcttcctta aggtgtgga catgatggct gcccttgatc tctatttcca 180
gctgngctct gnggaggtta cctgtgagtc aggcanngtc atggcggtca ccttggccaa 240
tggcggtatc tgccctatca caggggagag cngctgagc gccnaggccg tgcgcaacac 300
cctcagcttc atgcattcct gtggcatgta tgacttctcg ggccagantg ccttccatgt 360
gggcctgcca gccaaagacc tgtgtcagga gccatcctcc tgggtgtacc caangtcatg 420
gncatgatgt gtctgtcgcc gccgttagac aagctgggga acagncaaag gggcatcaac 480
ttctgccaga aggtgnaggn ctctctttaa cttccacann tatgacnacc tgcgggactg 540
cggctnggga anttagaccc ncggagggga agganaaana ggtttcggaa caagaccc 598

<210> 35
<211> 598
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(598)
<223> n = A,T,C or G

<400> 35
tgagccgtgg cgctaggatg ggtaacaagn gctctccgtg ctcatgtgga aacagcgcag 60
gaanactggn gtctttcagc ttaaagaccg tgggtctgacc gagttcccct cagagttgca 120

```

gaagctgaca ngcaatctta ggaccatcga tttatccnnc aacaagatcg acagcctacc 180
gcctctgata ataggaaagt tcaactctgt aangagcctc tncctcanca ncaacaaact 240
gactgttcta cctgangaat tatgcaatct gaaanancta gagacactaa gtctcaacaa 300
caatcacctg agagagctac catctacctt tgggcagttg tcagccctga agacgctgag 360
cctctctggg antcagctgg gagcattacc cccccagctt tgttgctga gacatctaga 420
tgtagtagan ctctctaaaa accagantcg gagtatacct gacacagttg gggagctgca 480
ggccatcgaa ctcaatctca accagaacca gatctctcag ctctctgtga agatattctg 540
ctgtcctcgc ctccanggtcc tccggctgga agaganctgc cttgagctca gcattgctt 598

```

<210> 36

<211> 598

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(598)

<223> n = A,T,C or G

<400> 36

```

accgtctctt cctgtattgc gccttcctta acttcagctc acacatggac accaggtggc 60
gctgtcgtcc atcagttacg ttggctgctc tctgtcagtt ctctgcctgg ctgccaccct 120
ggtcaccttc gcagtactgt cttctgtcag caccattcgg aaccagcgtt accacantcc 180
acgccaacct gtccttcgct gtccctggtag cccaggtctt gctgctgac agcttcagca 240
tgagagcctg cacgggtccc tgccaggtgc tggctgtcct cctacattac ttcttcctga 300
ccgcctttgc ttggatgctg gtggagggac tacatctcta cagcatntgt gataaaggctc 360
ttcggctcag aggacagcaa gcacctctac tactatggga taggctgggg gtgccctctc 420
ctcatctgca tcatctccat atcatcctct atggacagct atgggacaag tgacagctgc 480
tggctggctc tggggagtgg cgctatttgg gcctttgtgg gcccggctct gttggtcatt 540
ggaggtcaac attgttatcc tgggtgctgt gacgagggtc atctcccaca tcagcacg 598

```

<210> 37

<211> 596

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(596)

<223> n = A,T,C or G

<400> 37

```

tgagagatgc cctgtattaa gctaatatgg aacaccagca acgagcccag gaccgcgtga 60
ccacctgacc ggtgatcccc tggcccttga gtccggcaag cctaccatgg acctggccag 120
ccccgagaca gcacctgccg cacctgctac actgcccagc ttcagcacct tcatggacgg 180
gtacaccgga gagtttgaca ccttcctcta ccagctgccg gggacgaccc agccgtgctc 240
ctcagcttgt tctctgcct ccnaagngct nngattanan gentgcgecn annntnctta 300
tnannagnaa cttcaagttg gangacttaa aggtgtacgg ctgctaccgg ggcacctga 360
gcggcccatc agatgagacc ctatcctcca gcggctctga gtactatggg agtccctgct 420
cagncctctc gccatntaca cccaacttnc agnctgncca gctttntccc tgggacgggtt 480
tatttggcnn ntntcccccg agccaaactt atggaanggc ctnttgggca ttggacagaa 540
nagttgccnt aaangctttt ttttaaggngc ttngggccac cttacaaaac ctttgt 596

```

<210> 38

<211> 596

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(596)

<223> n = A,T,C or G

<400> 38

```
tgaggatatg aggaagantg gagacgattc gatgtccagc acccaagcct ctaactcaga 60
ggaggatctc cctgaagatt acccgtgggt caaaaacatg cttcacaggc tgacagctga 120
cctgacgctc gaccctcgca cagcacaccg tgatctgctc atctcctctg actaccgcgg 180
cgtgagtctg gctccacccg gaacgcctgc gccgctggac agccccgcgc gcttcgatca 240
gctcccggcg gtgctgggtg cgcagggcct cgcgtcaggc cgccactgct gggagggtga 300
gaccgcggaa ggcgcgtcct tcagagactc tacagctcag gatgagaacg cgggagagag 360
ctgctacgcc gtgggcgctg ccggggagtc cgtgaccgcg aagggcctca tcaagctgtg 420
cccacgagg gctatatggg ccgtggaggg ccgcggcgcc cgcttggtgg cgctcacggc 480
tccagagccc accctgctag gtggtgccag gccccgcgcg cagcgcattn gcgtggactt 540
ggactgggag cggggggtcgt gtggccttct atgacggccg ctcatttga cttgct 596
```

<210> 39

<211> 592

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(592)

<223> n = A,T,C or G

<400> 39

```
acctgagggg ggaaagataa cagaccngtn tgaaacccgt anacgtgggg gcgctatcga 60
agtgggttgg gaagataccc ccggacgtct tacaagacat ggccgtgatt gcacccatgc 120
tcgccaagct tggatatgac tccatacgcc aatcctccta actacggaaa acctgacccc 180
aaganccttg aaaacaccag gaggggtctat aanggagaat ttcagctccc tgactttctg 240
aaagaaaaac ccagacgga gcaagtggag taactgagcc cgtaacttcc cacagggacg 300
actgctgcct tgtctacaga agggaaatct cgggaacggc tgtctgctgc gacaaggagt 360
gtctgtgccc atcgctcctg ttcacctgcc agcctcctgt cccagggggg ggtgtcacac 420
acccgggcct cccaagtga tggctcttga gccaggaac atgcatggcc ctnaggatga 480
ggagcccagc agggacacag ttctgtcaca gctcctcttg tccttgtctt tccttcccag 540
gtncacgtct ttaatttcaa ggaaaggaga gtttgaagtt ggcatctctg ta 592
```

<210> 40

<211> 589

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(589)

<223> n = A,T,C or G

<400> 40

```
tagcatttga tgagctgaag accgactaca agaaccctat agaccagtgc aataccctga 60
accctcttgt ccttccagag tacctcatcc acgcgttctt ctgtgtcatg tttctctgtg 120
cggcagagtg gctgacctg ggcctcaata tgcccccttt gccataccat atttggagggt 180
atatgagtag accagtgatg agcggccctg gcctctatga cccgacgacc atcatgaatg 240
```



```

cagacattct agcctactgt cagaaggaag gatggtgcaa actcgctttt taccttctag 300
cgttttttta ctacctatac ggcattgatct atgttctggt gagctcttan aacaacacag 360
aanaatcggg ccagttaagt gcatgcaaaa cgccaccaat gaagggattc tatccagcaa 420
ggtcctgttt ccaagagtag cctatggaat ctgatcagtt actttaaaaa atgacttctt 480
atTTTTTaaa tgtttccaca ttttttgctt gtggaaagac tgttttcata tgttctactt 540
ggataaagaa tttaaatgga attacgtnta aattaatata aaatgatta 589

```

```

<210> 41
<211> 581
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(581)
<223> n = A,T,C or G

```

```

<400> 41
ctggacccag aaaagcttgg cgtatcttgt gaagtcacg atgctgcggt caattgtgcc 60
ttgggaatgn ggatacagtt tgcaagtctg tgatcaaaac cgggtgcgact gttgatgcag 120
ccacgtaggc tcccttaaca ggcggctttg cctctgagat cagctccacg gtccaggaag 180
aatgtttctt gaacctagag gctccaatat ctcgagtttg cggatatgac acccgtttn 240
ctcacatctt tgagcccttt tatatcccag cacaaatgga agtgctacna tgcccttcnn 300
aagatgatca actattgacg acagagaaaa ccaggaagat catgaccaga catggaaata 360
tttttctgaa acctttttat atttccttat actnctttct tcttacatat agagntatgc 420
nacnancgtg catggatatt ggctgangag ctgcnaatta cttatcatgt tantataaat 480
ggattgagng cncaggaagg aatgctttaa ggagtgcgtg ggcggaaatc ttaagactgt 540
ttcangacta taantaccgg gnggggggtg gattcaataa a 581

```

```

<210> 42
<211> 580
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(580)
<223> n = A,T,C or G

```

```

<400> 42
ccatccggtg ctgggccgga acctctngtt nanagagacc cggcctggga gtgggcagcc 60
tgtccgcttc tctgtgctgc tgctgcatgg tatccgcttn tcctcggaga cctggcagaa 120
cctgggtact ctgcaaaggc tggctgaggc tggctacagg gctgnngnca ttgatctgcc 180
aggncctggg cgatccaagg aagcancagc ccctgcccct attggggaac cggcccctgn 240
cagcttccta gctgctgtgg nggatacctt ggagctggga ccccccagttg tgatcagtc 300
atcattaant ggcattgatt cactgccctt cctcgtggcc cccgggtccc aactccgggg 360
ctttgtacca gtggctccta tctgcacaga caaaatcaat gctgtggact acgccagtgt 420
gaagactcca gctctcattg tatatggaga ccaggacccc atgggctcct ccagctttca 480
acacctgaag cagctgcca accacagagt gctggtcatg gaaggggcag ggcattccctg 540
ttacttggac aagcctgatg agtggcataa ggggctgctg 580

```

```

<210> 43
<211> 580
<212> DNA
<213> Mus musculus

```

<220>
 <221> misc_feature
 <222> (1)...(580)
 <223> n = A,T,C or G

<400> 43
 tgagggtgagt gcagggatccg catccggatg tgggtggtcct tgatccttct ttcttgcctg 60
 ctggcactga ccagtgccca tgacaagcct tccttccacc cgctgtcggg tgacctgatt 120
 aactatatca acaaacagaa tacaacatgg caggctggac gcaacttcta caatgttgac 180
 ataagctatc tgaagaagct gtgtggcact gtcctgggtg gacccaaact gccaggaagg 240
 gttgcgttcg gtgaggacat agatctacct gaaacctttg atgcacggga acaatgggtcc 300
 aactgcccga ccattggaca gattagagac cagggtcctt gcggctcttg ttgggcattt 360
 ggggcagtg aagccatttc tgaccgaacc tgcattcaca ccaatggccg agtcaacgtg 420
 gaggtgtctg ctgaagacct gcttacttgc tgtggtatcc agngngggga cggctgtaat 480
 ggnggctatc cctctggagc atggagcttc tggacaaaaa aaagggtctg gttcaggggg 540
 agtctacaat tttnatggn ggntgggtac cataaaccaa 580

<210> 44
 <211> 579
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(579)
 <223> n = A,T,C or G

<400> 44
 tgaggaactg gtgtccttac cgaagtccg ctggtncctt tgtagctgct tgcaaaacag 60
 agaaattcct ggtccattca cagcagccat gtccacaggg agcccctgac tgccagggag 120
 tcagagtcac gtatcgagtg gcccagaagc cagtgtacca ggtccagcag aagggtgctga 180
 tctctgtgga ctggcggtgc tgcccagggt tccagggacc agactgccag gaccacaana 240
 tcccagctta cmtnttttnn gctcaanctc cntccaaant gntgggnantn cggnannatg 300
 gatactggtc catnctcagg cacttttagaa gggccaagtn accctaaaat tgctcttaga 360
 attttggtg ggggagaact tgcataattg ttactaaggg aacaataata tttaatagac 420
 tgatttattt attgttacca cnaacantga acacttgcag catcaagaga accacacctt 480
 aaattgagta cactatgttt ttaattcaaa tggatatact tggatttatg atgcaactct 540
 gaactgtaca agaaataaan tttagaacca tttaaatat 579

<210> 45
 <211> 577
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(577)
 <223> n = A,T,C or G

<400> 45
 attttttgag attgcccaag ttttgaagta ctctctcaga agatgggtacc acccgagacc 60
 cgcaggagtc cttcagtcac cagtgtctac ctgtggaggc ccagcccgag cgagagtcac 120
 agaattctct ggaagaaaat gcccttctct ctctccagggt ttcttncgtt cccctgaagg 180
 acagatcagg agctgacaga ttcactctct tnatatgggt tnccataagt tgggtgaaaac 240
 tgaagatgtg gctgatgtac ctgtgtcctt catnctggag gaatgggtgca catttgnacc 300
 agaaccacaga agtctactng anggggacag caggaaagga ggatgagtga gagnaccaca 360

```

tctgtnggn natcactntn nannttttnan tggnttgncat cttgggttcnt gaaaccaggg 420
gtggagtncg acnnaactgn ngccaantg tttctgntc ccgaangnng gaattnaggg 480
gagggngcnn tcnctcctgg cnagggacna nnttnaatna tgngtgggaa ncnccctnct 540
ggnaaggan naatcntnnn ctgggagggc agcaaac 577

```

```

<210> 46
<211> 574
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(574)
<223> n = A,T,C or G

```

```

<400> 46
ccaactacta cgcacctgg naacgtcgtg gtccatgact ggctgtacag ctatgtgtat 60
caagatgggc tgtggctctt aggcaggcgg gctcgcgggg tggccatgct gggagtgttc 120
ctgggtgtctg cggnggttca tgagtatatc ttctgcttcg tcctgggggtt cttctaccgg 180
gtcatgctga tgctattcct tgttttcggg gggctgctga atttcacat gaacgacagg 240
cacacaggtc cagcctggaa catcctgatg tggacctttc tcttcatggg ccagggcatc 300
caggtcagcc tatactgcca ggagtgggtat gctcgtcgc actgtcccct gcccacnaca 360
acattctggg ggatggngac acccgctct tggctcctgc atccctanaa gtcaaggctt 420
catgctacac aaangaacag natcaaagct ntttttttgc cttgcaaaaag ccaaaaacna 480
gggttccnc actacatnat ttgggangca gggactttgc naaaaagaac ccttcagggg 540
ggccatgggg gactaaggac cccccctttt gggg 574

```

```

<210> 47
<211> 569
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(569)
<223> n = A,T,C or G

```

```

<400> 47
attctgttca gcgagcctt tagccccagc cccacagaag tttncattta aaaaattatc 60
tgtcaaacca ggaagtggg gggcaggcc tttaatcca gactaagggn aagcagtagg 120
cagaaggttc tcggaagtca ctttgtgtg actgtatggc ctcaagatgg cagtcacctt 180
cattggaaac agcacagcca tccaggagct gttcaagcgc atctctgagc agtttacggc 240
tatgttccgc cggaaggctt tcctccactg gtacacgggt gagggcatgg acgagatgga 300
gttcaccgaa gctgagagca acatgaacga cctcgtctct gagtaccagc agtaccagga 360
tgccaccgcg gaagaggaag aggatttcgg agaggaggca gaagaggagg cctaaggcag 420
agagccctgc atcagctcag gctgcttaga tccctcagct ttctccaact gccctttgtc 480
ctccagnttc tttctgctgc ctntgtcttg tatttgtttt gntctgtttt cttattgggg 540
nnaaatggtg cctggcacat ggcaggcac 569

```

```

<210> 48
<211> 568
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature

```

<222> (1)...(568)
 <223> n = A,T,C or G

<400> 48
 tgaggcatgt ggcgacccca gggctaaacc ctcttacctt attgacaaaa acctgggaat 60
 ctgctgtgaa attcatagtc agaaaatttc ctgctgtaga aacgcgcaac aacaatcaac 120
 agctggcaca gctacagaaa gaaaaatcag agattctgaa aaatctggcg ttgtattact 180
 ttacatttgt agatgttatg gaattttaagg accatgtctg tgacttgctg aatactattg 240
 acgtttgcc aagtcttctt gatatnactg tgaactttga tttacaaaag aactacttag 300
 acttgactgt aacctataca acattaatga tactgctgtc ccggattgaa gaacggaagg 360
 caatcattgg actatacnat tatgcacatg aaatgaccca tggagcaagg gaccnagaat 420
 atccncgcct tggtcagang attgtggact atnaaaaccc tttaaaaaag anganggaag 480
 aatttgaccc catagcnagt ctctttcaga tgcgctaatt tctcttcaga ngggggatcc 540
 tagacggaac ctttcagcag acccgtgg 568

<210> 49
 <211> 564
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(564)
 <223> n = A,T,C or G

<400> 49
 acctgaggcc tgactacccc gcgggtactt ncaggccagc ntaactttcg gntgccngca 60
 ctggggctgt caggcgtttc cnggaaggat ccagganccc cttanctaata ccaggcagt 120
 acctgggana actcgggnaga ncccgtggca gccctcagca tccagctggg gaacctgatt 180
 cctgntttcc ggntaggcct tcagatgtgt tttgctgaat atcactttca gaagatccc 240
 gctaaacttc ttctgtacat tgctgaggat gtcgtacacg actctctcca gtgggaccag 300
 ggcttcagag ttgcctgaag ttccaggacc aacttgaaga tagagaagca aacaggattc 360
 cccgagttct gtcctcacat gacccaactg cctctggctc tgggatttgg aggtcttcat 420
 ggagctgagt ggcagccttc aatacttctc cgtatatgac cattaaaaaa attaccaaca 480
 ccctatttgg tatatttggat ggaccttact ggagcaggaa aaatttgaat aaacttaaa 540
 tgagtatcca taggaaaaaa aaaa 564

<210> 50
 <211> 564
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(564)
 <223> n = A,T,C or G

<400> 50
 aaccctttac ctttgctgga gaggttgaag aggaaagtga agctgttaaa gaaagtgaag 60
 aaactgaacc gaaacgtcaa tgaaagaatt taggtgtcag gtgantgact gttctangat 120
 tttccaagca nttactggcc taatacagca ctacatgaaa cttcatgaaa tgacccccga 180
 ggaaattgaa agcatgactg ctgctgtgga tgttggcaaa tttccatgtg atcagttgga 240
 gtgtaagttg tcttttacaa catacctgag ctatgttgtt catcttgagg tagaccatgg 300
 aattggaaca aggacaagta aggcagaana agatggcata tacaagtgtg actgtgaggg 360
 ctgngacagg atatatgcca ctcggtctaa tcttcttcga cacattcttt aataaacata 420
 atgacgagca tanagcccat ctngattcgg ccaaagaaaa ttaactggcc agganaatat 480

atnaagtaan ggtaaaccac gcaaaantca aagtctaaac atcggacaac aaaaacccca 540
acagatccgg gaaagacggg aatg 564

<210> 51
<211> 563
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(563)
<223> n = A,T,C or G

<400> 51
gagacaaggt aaggttactc ggcaggcagt taaaccaaac agtgtaactt acaggaccaa 60
atctggcanc atcttgctgc ataagncaac cattancagg gaggctaccc ggttacggag 120
ccgatggctg acatatttca tggccgtcaa gtccaatggg agcgtctttg ntcgagattc 180
ctnccagggt caccactag ctgtgttgct cctaacagat ggggacgtgc acatncgana 240
tgatgggcgt agggccacca tctcattgag tgacagngac ctgcttcggc tgggaaggtga 300
ttcacgaact gtgcggttgc taagggagtt tcgtcgagcc ctaggacgga tgggtggagcg 360
gagcctccgc agcgagttag ctgcacttcc tcttaatgng cagcaagaac acgggcagct 420
gcttgcaact ctggcagagt tgcttcgagg accttggtggc agctttgata tgcgcaagac 480
agctgatgac tgagcctctc ttccgctggg gctatgtaca gagtgcaaata gtttatttaa 540
aataaagtta tatttatccc ttg 563

<210> 52
<211> 557
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G

<400> 52
tgaggatcct gacaggctgt tactgatgta tcccgtgcta aggaccttta ccctctggct 60
ccactcttcc ctactggga tctatgtctc tggtctttat tccatcgttt ttgtcaactg 120
tcccaatgag caaattgccga gagacatcgc cagggccatc ctggataaga agatggcttc 180
gtctgtgaac atcttgccga agacctcttc tctgtacttt tggaaaggag aaatagaaga 240
aggcattgag gtctcactgc taataaagac aaagacttcc aaggtctccc ggctgtttgc 300
ctatatgagg ttggcgcatc cttttgaaat cccagaggtc ttcagtattc ccatggacca 360
aggagatgct cgctttttac gatggcttga ggagggaaat aaggagaact aaggagagag 420
aaccttattg tgcaggcttc tgccctctagc ctttggttgac tgtgttctgg gaaaaagcag 480
gcctccttct gcctcccatc gaatgttctc aacagcagac aggntctagc tgacctgngc 540
atgctgaatg aagggtc 557

<210> 53
<211> 554
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(554)
<223> n = A,T,C or G

```

<400> 53
agttctgctc caactcaacc gngctgctgt aaggcacagn angcagctgc ccttgggtggg 60
ggtcctcctg gtcctcctcc caacatggac cagtaacagg cggttacagc agtaccagg 120
cacaagtgga ggaggtgggtg gacatcatgc gtgtgaatgt ggacaaggnc ttggagaggg 180
accagtaagt tgnacagagct ggatgaccgg gctgtcgcct tgctggccgg agcatcaca 240
tttgagagca gtgctgcca gctaaaaagg aagtactggt ggaaaaactg caagatgatg 300
atcatgctgg gagctatctg tgccatcatc gtggtagtga ttgtaagaat gaanatatcc 360
tttggctaca gaaatgactg caaaaatggt caccacaagaa actggaattt cccaggaat 420
ctcatgctgg gagaaagaaa angccgaagc ctgtgccagc caggaggacc ctgtgtctcg 480
gtgntgttta cattttgnan accatgctgg tncctaaact ctgngntcca cctgnccttg 540
ccacctgaat gctt
554

```

```

<210> 54
<211> 550
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(550)
<223> n = A,T,C or G

```

```

<400> 54
cgtttatggc aatgttgcca ggtacttttg aaagtaagna nagaagcaag nacgggcaca 60
ctcaccagtg gnactgtgta cgtgaagccc tacagaaacg aggnngtntt cgcttttgcc 120
cgngaangag tgttttgtag gtgcnnnctg tnnnnctgac atnctacttg nagttgtgtc 180
nagnantctt cttctagaat gacgngggcc cgttgtngac tncaccant acatcccatc 240
agatatctt tcatgaccc ccanganann cctgtgactc tgnaccactt actgaagctc 300
ttccagtctg acaccaatgc catgctgggg aagaaaacag tggtttcaga gttctatgac 360
gaaatgatat ttcaagacc aacggcaatg atgcagcagc tgcttacgac gtctcgccag 420
ctgacattgg gagcctataa gcacgaaaca gagtttgtag aacttgngt gaaaaccagn 480
gaaagttaga agctgccaa gaganaacaa gctttgngat tgcgggagct taagggggag 540
attaaagca
550

```

```

<210> 55
<211> 548
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(548)
<223> n = A,T,C or G

```

```

<400> 55
acagcgagca gcactaaggc tttcgtggga ggcacaaaac aagnattact gtgccatttc 60
ttgagcaatg tccaatcagg aggtttatatac aaggagagaa tgactgagct gtacgactac 120
cccaagtaca gctgccactt caagaaagga aagcggtagt tttattttta caatacagg 180
ttgcagaacc aacgcgtggt atatgtgcaa gactccttag agggggaggc cagagtgttc 240
ctggacccca acacactgtc ggatgatggt acagtggcac tccgagggtta tgccttcagt 300
gaagatggcg aatactttgc ctatggtctg agcgcacagc gcttccgact ggggtgacga 360
tcaanttcac gaaaggctga tggngccaaa gagctncccg gatgtgctgg agannagnna 420
agttcacctg cntgggcctg gnnncntgac gggaagggga tgttttttan nttttacccc 480
cannaggacg ggaanangga ngggnccaaa anctccccc ntntccccc aaaggttttg 540
tttccacg
548

```

<210> 56
 <211> 548
 <212> DNA
 <213> Mus musculus

 <220>
 <221> misc_feature
 <222> (1)...(548)
 <223> n = A,T,C or G

<400> 56
 ccgccgcctc cgacggctgg cngtggttnng aagaataaga ctcgcacagc gtccaccct 60
 gtcaacacgc cctccagacc tccttccagt gaattcttgg acctgagttc agctagttag 120
 gatgactttg acagttagga cagcgaacag gagctgaagg ggtacgcctg ccgtcactgc 180
 ttcaccacca cctccaaaga ctggcaccac gggggccggg aaaacatcct actgtgcacg 240
 gactgtcgca tccacttcaa gaagtacggt gagctgccac ccatcgagaa gcccgtggac 300
 ccccgccct tcattgttcaa gcctgtcaag gaggaggacg atgggctcag tgggaagcat 360
 agcatgagga cgcggcggag ccggggctng atgtctacac tacgcagtgg tcggaagaag 420
 cagcccacca gtcctgatgg tcgtgcctca cccatcaatg aagacatccg atccagtggc 480
 cggaactccc ccagtgtgc tagcacttgc agcaatgaca gtnatancan agacagtga 540
 gaagtcag 548

<210> 57
 <211> 545
 <212> DNA
 <213> Mus musculus

 <220>
 <221> misc_feature
 <222> (1)...(545)
 <223> n = A,T,C or G

<400> 57
 acctgagggc cctctttctc tgctgtcctg tcgtaggacc ataacggagg actttcgggt 60
 gccatttcag gatccgggat aggaaattag caaaagccgg ccnnncagga tgtncntaag 120
 agngtgaaga ttcaggaagg ancnttcngg gaccnacaat agctnttnnc cagtgaacag 180
 cttttctggc caagaggctt cagcacattt tagggattct tgttaccaag agactcctga 240
 accttggaag gctctgagcc attgtgggaa ctctgcagac ccacacacag caaggagcag 300
 atcctggagc tgctggtgct ggggcagttc ctgaccatcc tatcttagga gttgcaggcc 360
 tggctctagc agcagcacc agacatcagg aaggaggcgg tggctagtct tgaagacctt 420
 tgcaagccca naaaggaggt gagatgagga ttggggttct agacacttaa tactgaacga 480
 agagcagagt ttgctttggc tttgggttac aagccctgcg gtcccttgt tttttgtgta 540
 aacaa 545

<210> 58
 <211> 544
 <212> DNA
 <213> Mus musculus

 <220>
 <221> misc_feature
 <222> (1)...(544)
 <223> n = A,T,C or G

<400> 58
 tgtgacgact tggtcacann taccaggctg caagcanctt gctggagcnc ntactgcna 60

```

ctgccntgggt acagcactca natgcttctg nacgaactac ggcancatga nnaccccagg 120
aantttgatg ntctggaata gentggtnca ggncttgta gncagtgtaa ggcacacttc 180
ttgctctctg cggtagntct gagntgggan gancctgcct atagcctggn tctggccagc 240
ctggcactac nctnctngnt ncagccccac ctaaccangg ttgggtnttg ggacggtttg 300
agcngggccc tggagggcct cccganagac agcccaggtn agaaggaggc tacttanacc 360
tacgacgctt aattcccctc ccttgntct tcttcattnt gagctgagng ggctgcccct 420
gcctggctcc tgagggttcc ctancaaagg tgggggcnaa aaggantcat tatcttttga 480
ntatctgcat ttaaaactgc tccaggggct ggagagggct tgatgctttt ccagaggacc 540
caag 544

```

```

<210> 59
<211> 541
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(541)
<223> n = A,T,C or G

```

```

<400> 59
tgagtgtaaa tgagcaagat ggacctggaa ggtgggggag acgggcagaa agccccgagc 60
ttccagtggc ggaactacaa gtcatagtg gatcctgctt tggaccctgc tttgcgcagg 120
ccttcccaga aggtgtaccg ctatgacgga gtccacttca gtgtcagtga ctcaaagtat 180
acccccgtgg aagacctcca ggacccccgc tgtcatgtca ggtccaaagc cagagacttt 240
tccctcccgg ttcctaagtt taagctggat tgtacatant gttaatagng aaaccnaaca 300
ccacatTTTT atanttggga ttaaaacttta ttgtacggaa accttantna agganangnn 360
ccaaaaaata tgganaggng naagaagngg agatccttct tcatccccgc actcgaaagc 420
acctaggcct ggcccgtgtg ctcttnacca gcactcgggg cgccaaggaa actgtnaaaa 480
acctccacct nacctntgtc atgggcaaca tcattcatgc ccagcttgat atcaaaggcc 540
a 541

```

```

<210> 60
<211> 531
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(531)
<223> n = A,T,C or G

```

```

<400> 60
aggttgtcat aatacagnac ttggnaaact ctgcaagcac ttagcagtca gcatttcgag 60
cagcggaagc gagggcatgc tgtgagtttc caatgagctg tcacaatgtc agaatgcagt 120
tcagacagca gcagcacagc gctcgagac attaaaacgt aagctgtgct agaacaaaat 180
gcaatgaaag aaacactgga tgattgaaaa gccctgcttt gcagcccctc agcatggcag 240
gcctgcagct catgaccctt gcttcctcac caatgggtcc tttcttttga ctgccatggc 300
aacaagaagc aattcatgat aacatttata cgccaagaaa ataccagggt gagctgctgg 360
aagcagctct ggaccataac acaattgtgt gcttgaacac tggctcaggg aagacgttca 420
tcgcggtcct gctcaccaaa gagctggccc atcagatcag gggcgacctc aaccgcgatg 480
caaaaaggac cgtgttcctc gnaaactctg naaaccagggt tgetcaacaa g 531

```

```

<210> 61
<211> 530
<212> DNA

```


<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(530)

<223> n = A,T,C or G

<400> 61

```
gtacctgcgg ttctctgnnt tctgcagttc ggcactggna aaccattcac cgtaatgtct 60
taggaaaaca gttggagcaa ctgcagcccc taacaggaag cccttggaag gctgcacctt 120
ggctcatcgt tgcctagtgc gtcacaggag cccttggtt caagcgctc ccatgtgaag 180
tgtgtgtgct acgggtcttg gacctttgcc tctgccccca ctgctcggtat ccagcttgct 240
tttatgcttc tctttctaga gaagtgccag gtccccagaa gtcactgctg ggtctatgac 300
cctctgttca gtcagactga ggtttccgtt ctcacctccc tcggcggtgac tgcctcagct 360
gagaatgagg aaggcangcg cnntgcncnn ngncagnnna ctgtgttata catgncncnn 420
tgtggggacan ctgtntacaa caacctgctg tggagnaact ggtctgcnga cncctgngn 480
aggngctca tcntaggga cagttnacga ggccttgagg aaaggttggt 530
```

<210> 62

<211> 526

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(526)

<223> n = A,T,C or G

<400> 62

```
cactgacaaa ctggccttcg atgttggcct tcaagaggat accacagggg aggcttgctg 60
gtggaccata catcctgcct ctaagcagag atcagaagga gaaaaagtgc gtgttggaga 120
tgatctcatc ttggtcagcg tgcctcaga aaggtaactg cacttgatcat atggcaacag 180
cagctggcat gtggatgctg ccttcagca gacctctgg agcgtggccc ctatcagctc 240
aggaagtga gacgccaag gctatctcat tggcgggtgat gttctccggc tgctgcatgg 300
gcacatggat gaatgtctca ctgtcccttc aggagagcat ggtgaagaac agcggagaac 360
agttcattat gaaggtggng ccgtatcagt tcatgccgcg tccctctgga gactanagac 420
cctaagagtc gcgtggagtg gaagccacat aagatggggc cagccattcc gactccggca 480
tgtcacgacn tggaaaatac ttangcctca tggaaagaaa gaacaa 526
```

<210> 63

<211> 515

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(515)

<223> n = A,T,C or G

<400> 63

```
gtgacttatt actatnncag cagaacctgc ctccccagca gattgccagc acctatgaca 60
tcatccccct cttcgtctca ttctgtggtc tcctaaatgc tcatctcgtt ggcttgggtt 120
cagtttggtg tatggagggg tgctgcttag cactgacctg agagtgtgtg tgaaaccac 180
tgaccaaatg gacatcaaag gccagttctg gaatgatgat gattcagaag gagataatga 240
atcagaggaa tttctgtatg gagttcaggg gagctgtgca gctgacctgt atagacaccc 300
acagcttgat gcagacattg aagcagtga agagatctac agtgagaact ccgtgtccat 360
```

cagagaatat ggaactatcg atgacgtgga ccttgacctc cacatcaaca tcagcttctc 420
 cgatgaggaa gtatctacag cttggaaggt ccttcgaaca gaacctattg tgttgaggct 480
 acggttttct ctctctcagt accttgatgg accag 515

<210> 64
 <211> 515
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(515)
 <223> n = A,T,C or G

<400> 64
 gattcggggc ttgctccttg ttggnaatgt angaacttgg angtacacgt cctctggggtc 60
 ttccggtccc tggaagnaaa ttagtgctgg gcgngtctac ntaagtgcc ntcagcaact 120
 ttgttaccac cactctctga actggaccag gacttctgcg ggggcccgcaggagagac 180
 ttgacatcaa gtacaaccgg cctctggggag aatgcgtggc agaggggcaaa gtgtgtgatc 240
 cactgtgctc ctctggggga tgctggggcc caggccctgg ncagngcttg tcttgtcgaa 300
 actacagccg ngaaggtgtc tgtgtgactc actgcaacgt tctgcanggg gaacccccgan 360
 agtttgggtca tgaggtcat tgcttctcct gccatccaga atgccagccc atggagggga 420
 ccagcacgtg caatggctcn ggctncgacg cttgtgctcg atgcgcccac ttttcgggga 480
 nggggccac tgtgnggaac agttgcccc atggg 515

<210> 65
 <211> 512
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(512)
 <223> n = A,T,C or G

<400> 65
 acattcagga cctggngaaa atccaccntn attaaacgag actcagtnen tnnncaacct 60
 ggtantgagg gatcnnncngn cnctttcatt tcnaaangnt gngcacggaa acaaatacta 120
 atgaacgcat ctctntgcgc cggggtngtg gaaaantgan gaaggggagg tatnaaggnn 180
 aaaatntaac ttgggggaca cgcctggcct tggggactnt gtggantggt caaactgctg 240
 gctgcctgng gttcgttcta ttgaggagca ntttgagcaa tacctcaggg atgagagggg 300
 cttgaacagg aagaacatcc agggattcca ggagtccatt gntgcctcta cttcatataa 360
 ccctttggcc gagggctccg gcccttagat gnggcttnc tccggggcag tgcncgagaa 420
 agtnantatn atnccgggca ttggnaaanc aaaacgcct tgatgcctag gggagactna 480
 ggcccttcaa gcagaaaaac cggggaccag tt 512

<210> 66
 <211> 507
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(507)
 <223> n = A,T,C or G

```

<400> 66
aggacccatg ggcgactcag tgntncagat gcnagggtcaa gagacccttt cagaaanatg 60
acttcttatt tataaactgc acttattgca accacaggggt acccgactnt tttctggtat 120
gtccaatatt ctggagaagg tccacagctc cttctgcaag tcacaactgc caacaacaag 180
ggaagcagca gaggttttga agctacatat gataaaggaa ccacttcctt ccacttgcat 240
aaaacctcag tgcaagagat agattcggct gtgtactact gtgctatgag agacacagt 300
gcagaaactg caggggcagc tgagcataaa gtctgagaag caaaagaaag cctgactttt 360
gataattttc cttttgaatc atcctgtttg catgcagtct gtgttggtga ccaacatttc 420
tctagttagt gaaagtcaaa caaatgggtca gagcagaata caaaatagat gatactacaa 480
ctgtattttt gtacaggaaa ttagacg 507

```

```

<210> 67
<211> 498
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(498)
<223> n = A,T,C or G

```

```

<400> 67
accacacttt tctcaangaa tgggtggcngt ctggcatgca cctgctgatc nnnnccacan 60
ccatctggaa gagctctgtc caccttcttt ctgnaccaac ggggntnant gctatgngna 120
ggcctnaggc cgccacacagn gctcctgcga ncctgggtgg acaggntgag caatgccagc 180
tcnganactt ctgnttancc naccctnng ccaacggagg cgtgtgcctg ggcacatacc 240
cacanacca gtgcnggtgt ccacctgggt tcnaggggtca cacctgtgaa cgcnacatna 300
acgagtgttt tctggagccg ggacctgtcc ctgagggcac ctctgtccat aacaccttgg 360
gttntacca gtgtctctgc cctgtggggc aggaaggnc cagtgcatg ctgaggagg 420
gagcctgccc tcntggaagc tgtctcaatg ggggcacctg ccantgggn ccagaggggac 480
actccacctt tcctctct 498

```

```

<210> 68
<211> 493
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(493)
<223> n = A,T,C or G

```

```

<400> 68
catgccagt tgctgtantc ccnnaatagt attgagcaaa atgggggact ccttcaccat 60
ccagacgtgc agcagcctca gggaactacc ttgtaaaatt caaagttgga gaagagtttg 120
aggaggataa caaaggcctg gataacagaa aatgcacgag cctgggtacc tgggagaatg 180
acaaactcac ttgcgtacag agaggagaga agaaaaacag aggctggagc cactggatcg 240
aaggggacca gctccacctg gaaatgttct gcgaaggcca ggtgtgcaag caaaccttcc 300
agagagcctg atacatctcc agcaacagag cccgcttgag gcaactactc aatgccaaat 360
tatctcgtag aaggaacggg tgtttgtctg ttttgggttg atgaagggtc ttgtcatttg 420
aaagatgtca cacagcctgt atganaaact gtttgatttc aggacagttt cagctccaat 480
aaacctgctc aag 493

```

```

<210> 69
<211> 491
<212> DNA

```

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(491)

<223> n = A,T,C or G

<400> 69

```
catgcctggc cagggntctt gttccccccc aaggaaaactg gtgaaggagg agganaatct 60
tcaggtagcc ttcacagtgc tgcagggtga gggagtggaa ttcctgggcc gggcaaccga 120
tgccctcatt gccatctcta actaccggct gcacatcaag ttcaaagact ctgtcatcaa 180
cgtgcccctc cggatgattg acagtgtgga aagccgtgat atgtttcagt tgcacattgc 240
ctgcaaggac tccaaagtgg tgaggtgagc acagcgggtc tcgttcattg nctctgacct 300
tcgccttggt canacagaca gacctctctg ttgcacgcta cccttggagt aagaggatcg 360
actccacttt ctgttcccca ctggaggaaa aggggacaac tcacttcccc gttcttagtc 420
agaaggtaaa ttggctaacc cattctgtct tgacttgaaa taaaatgggg atggagccgt 480
aaaaaaaaaa a 491
```

<210> 70

<211> 491

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(491)

<223> n = A,T,C or G

<400> 70

```
ggcaataagg ccttgcncctg ctgggaaaca ttgatgatgc cttacagtgc tactctgngg 60
caattaaact agatccccag aaccatgtgc tctacagcaa tcgctctgca gcctacgcca 120
aggaaaggag actaccagga aggcctatga ggacggctgc aagactgttg acctgaagcc 180
tgactggggc aagggttatt caagaaaagc agcagccctt gaattcctaa accggtttga 240
ggaagccaaa cgaacctatg aagaagggtt aaaacatgaa gccataatc tccagcttaa 300
ggagggcttg cagaacatgg aggccagggtt ggagagagg aaattcatga atccattcaa 360
cttgccctaa ctataccaaa agttggaaaa cgaccccgag acaaggctcg tgctcagtga 420
ccccacctac agggagctca tagaacagct gcagaacaag ccgtcagacc tgggcacgaa 480
actacaggat c 491
```

<210> 71

<211> 475

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(475)

<223> n = A,T,C or G

<400> 71

```
tctggggaaa gcaaggactc aggcctccctt acccacaggt cagcttctag gaaaaatgct 60
agggccgaga gcctggagca caccgagaag ccggaacctg cggncgtcgc ctctgtctcc 120
ggaaagggga agaaaggcaa ggnaaaangt gcnacggctc ctgtctgcct cagcctncag 180
aagngggagc ccnnaaanat cagggtggnc cacattttca acangtcaca cacagcctga 240
ggcctgnnct aataccacat tccccgaata cccccatcct nccaaggcca ttgctacctg 300
ctctncaagc ccttcccaca aggccattgc tacctgtctt ccaagccctt ccataaggc 360
```

cattgctacc tgctctccaa gctcctccca agtgnctgga cttaccctcc tgtcagaaga 420
cagtgaagtga tagcaagcat cagactgctc accaagtgtt tttaaatata caagc 475

<210> 72
<211> 475
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 72
aatacggatg gacccacacn ataactgcat gcctgatgga catantnaat gccaaaggncc 60
atgcactcat taactggtag cctttncagc cntccttcta acatcagggn tagtaatatg 120
atttcactat aattcagtna cnmtattaac cctnggncta ctgaccaata tcctcacaat 180
atatnaatgn ngacgagacn taattcgtga nggaacctac caaggccacc acactnctat 240
tgtacaaaaa ggactacgat atgggataat tcnattcatc gnctcgggaag tatttttntt 300
tgcaggattn ttctgagcgt tctattattn tagcctngna ccaacacatg atactangag 360
gctgcngacc tncaacnnga atttnaccac ttaaccctct anaagnccca ctacttanta 420
cttnagtact nctagnatca cngtggtttg aatttcntng agctcatcat ttggc 475

<210> 73
<211> 472
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

<400> 73
catattcgag cacctgctgg ccctgttggn gtncnecgta ctgnnggcac tgcnagtgga 60
tggtctgact ccggtgcctc tcctgggtgn aacgtctttg tgcccttttt ngccgncnac 120
gggctcagta cctacttcac caccatcggt nncgttcgac tcttncaaga tggggagaag 180
cgactggctg tgctgcgcct cttctgggtt ctcaccgtcc ttagcctcaa gtttgtcttt 240
gagatgttgc tgtgccagaa gctagtggag cagactcgag agctctgggt cggcctgatc 300
acgtctccgg tcttnattct cctgcagctg ctcatgatcc ggacttgctg cgtcaactag 360
cctcttgag tggttgaaa tggagcactg cgcagctgga gttctggacc tcccggtcct 420
gacccaactt ggtgccacac ttggtgganc tttggatcaa aaattagagg gt 472

<210> 74
<211> 471
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(471)
<223> n = A,T,C or G

<400> 74
aagctttctc actatttgac aagggacggg gnatgggtac aataacaaca aaggnagctg 60
gggacagtga tgaggtccct ggggcagaa cccacagaag cagaactgca ggacatgatc 120

```

aatgaagtag atgcggtatg taatggcaca attgatttcc ctgaatttct gacaatgatg 180
gcaagaaaaa tgaaagacac agacagtga gaagagatta gagaagcatt ccgtgtgttt 240
gataaggatg gcaatggcta tattagtga gcanagcttc gccatgtgat gacaaacctt 300
ggcgagaagt taacagatga agaggtcgat gagatgatca gggaagcaga cattgacggg 360
gacggtcagg taaactacga agagtgtgta caaatgatga cagcgaagtg aagacattgn 420
acagaatgng ttaaatttct tgtacaaaaan ngtttatttg ctttttcttt g 471

```

<210> 75

<211> 468

<212> DNA

<213> Mus musculus

<400> 75

```

catgccgtgg ctcagtcaac atgcccttca tggacttcct gacgaaagat ggcttcgaga 60
agagcccaga ggagctgctt gccatattcc aggacaagaa ggtggacctc tcacagcccc 120
tcattgccac gtgccgcaag ggggtcactg cctgtcacgt tgccctggct gcctaccttt 180
gtggcaaacc cgatgtggct gtttacgatg gctcctggtc agagtgggtc cgcagggcac 240
ccccagagac ccgtgtgtcc caggggaaga gtgggaaggc ctgagtgtgt gcagcctcct 300
cctctgcccc cccaatccag ccagttccct tcagggaggt tgggtgtgacc tgctgtaggt 360
tcacctttta ggctacggat attgacaggg ttttagaatt gctcttgggt cctccctccc 420
tccctccctc tacattggaa taaagtgcct tttctcagaa aaaaaaaaa 468

```

<210> 76

<211> 467

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(467)

<223> n = A,T,C or G

<400> 76

```

agctccatct gggggccggc ntctgtgtgg gctcagccc tcttctgtct gtggctgctt 60
ctcctaactg ctggggatca gggacncaca gggacaccac cgccacggga aaaggggctt 120
cncatgctga actcagggtc aantaccctt ncgngctgcc ctggcngagc tagnggncct 180
gnctgcttc tttacctgc aancacggct aagctccctg cgagacattc ctcgatnan 240
gnggactaag gttcagactg catnaggcca gcgacaggat ttgccaatct tgggtggccaa 300
agacaacgtg gtgcgtgtgg ccaagggctg gcagggacgg gtgtcattgc ctgcttatcc 360
ccggcacaga gccaatgcta cccttctgct gggggcactt cgagcaagcg actctgggct 420
gnatcgctgc caagnngnaa agggatatcg agatgagcag gacctgg 467

```

<210> 77

<211> 462

<212> DNA

<213> Mus musculus

<400> 77

```

agcacctcca accatctgtg gctcctgtct gatatactag gccagggggc cactgcaaatt 60
gtcttccgag gaaggcataa gaaaactggt gatctctatg ctgtcaaagt atttaataac 120
ataagcttcc ttgcgccagt ggatgttcaa atgagagaat ttgaagtgtt aaaaaaactc 180
aatcacaaaa acattgtcaa gttatttctt attgaagagg agacaacaac aagacataaa 240
gtgcttatta tggagttttt tccctgtggg agtttataca ctgttctaga ggagccgtcc 300
aatgcgtatg gacttccaga atcagaattt ctcatgtctt tacgagatgt ggggtatgtt 360
atgtgatttt atatatgtgt ttgcttatat ggggttcacac gtacgtgtat tatttaaaaga 420
tacagaatga aaaaaataatt tcctacattc aaaacaaaaa aa 462

```

<210> 78
 <211> 453
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(453)
 <223> n = A,T,C or G

<400> 78
 cagtttatga tgcttcacac aatctagtga gnaaaactgc agnncnttgn ctttctcaaa 60
 atgactggta agntagnatg ncagcaacag tatnattttt ttcaaaancc agaactttat 120
 atacgggaga gtgtnaaagg ancgtgtgga caggaaagaa gttngcagca actgtacact 180
 anctacnagg accctcagga tgaaaanana ntnggaatag atggnatata gcagttctgt 240
 gatgatctgg ccctcgatcc agccagcatc agtgtgatgn tcattgcntg gaagntcagg 300
 gcggccacac tgtgcgagtt ctccaaacag gagttcatgg ntggcatgac agagtttagga 360
 tgtggctgcc tagaaactct aagggcccng nnaccanna tggancanga ntngnnagaa 420
 ccaggacgat gtaaggattt ttaccagttt act 453

<210> 79
 <211> 446
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(446)
 <223> n = A,T,C or G

<400> 79
 aactcaagac ttgttattec aacttccctt tggttcacac accagaacgt tcctccagga 60
 agtggccaga gcctgtccag gtaggtanca tccagagttt cctggaaagg ctgtgttggc 120
 tgagagcact gctgtactct cttggtagtg acagttgact ttccaacccc attgggggtca 180
 tacaactcag tttccgcacc atctcanggg nggtggcatg gagtcacagt gcctgggctg 240
 ccagctagct acacgtttgc tttncctttt tgagaangag ggtttcgctc cctattnctg 300
 anncttnnnc tcagcttccct cccgagggct tggcctncaa cttggggacc aacctggccg 360
 ncnttggggt ttngnttcgg gtacaaaaac ctgaatgtta actggggctt gggactttga 420
 ganttcgggg gcttcctcca agttaa 446

<210> 80
 <211> 443
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(443)
 <223> n = A,T,C or G

<400> 80
 caattttgaa ggatcatggn ctttacaggg aaatctgacg tttggatggg atggggccgtc 60
 ctggaggcta ctcacgggtc tcangttgct gtgtctgnaa gccnagcgct ncacatcctg 120
 gaaaaagggtg ctccttgggc aagtcatcnc cgatacaaac gagaagacaa gcttgggctg 180
 ggcccagaaa atatgctctg acgtcatcga ggagacacac gctgtgctgc gcaaggtttc 240
 tgacatgaag gaagggacag tgtcactgag aagccagctc tccttggtgg aagccttgag 300

gatggaagag ctnangattc tccaggcttc tgctgaaatc ctgagtggct tgctagcccc 360
 ctttttctctg acctccccggg gtcaccnggg ttccctccta tggaggatgt accngccggc 420
 tgcgtnttta ctgaggttgg aaa 443

<210> 81
 <211> 440
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(440)
 <223> n = A,T,C or G

<400> 81
 tcctgctgct gcctttgctn ttcgccgggt tttatgagct tgtactgncg ntttttnattn 60
 acagggtgng naactgcnc ttcgagtgan gantrnancn cactncntgt nttaccngt 120
 ataataatta gaatgccttn cctacaaaat ttncctaaact naacacccaaa ctgggttctnt 180
 ggnatatnaa aaagaacggg atcgaggaaa cagntgctaa gtgcaggang ctgggtgccc 240
 agggccntcc ntttgtggng gactgcanc agcggaaga gatttacagc gctgcaaaaa 300
 aggtaangga agaagttgna natgttagca ttntggtaaa tatcgccggg gttgtctaca 360
 ctgcanactt atttgctncc caggaccctc anattgaaaa gactttanan ntantngtct 420
 tgcccaactt tggaccacct 440

<210> 82
 <211> 433
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(433)
 <223> n = A,T,C or G

<400> 82
 ctgtcagcgc ttcagtggaa caaaaccatc ttcgcatttt ggggctgcta ggaacttggt 60
 tcagaaggct caattggggg atagccgact gagcccagaa tgtggggcat ctggtattga 120
 ccacctctg cccggccctc catgctttgg tggtgatgg gctgaagcca ttccggaagg 180
 acctcatcac tggacagcgg aggagcagcc cttggagtgt ggtggaggca tctgtgaaac 240
 caggttntctg cacacattcg atgggatctc tgtacagcca ggtcancga ctggccctc 300
 tgagtagcag ccgcagccgc ttccacgcct tcatcctggg cctcctcaac accaaacagn 360
 tggaaactgtg gttttccagc ctncaggang atgcaggcct actgtccctc ttgtatctgc 420
 ccaccgatt ctt 433

<210> 83
 <211> 430
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(430)
 <223> n = A,T,C or G

<400> 83
 gttaatactc ctgatagagc cntaccggaa ctccctnatg atcacntnnt cgnctctttt 60


```

ggatccatntc tccgcgctgg aaaacaaaga ggtagaagca tttggcncat ggctcccaac 120
acagacagac acacagagac acatagcnat naaaactcac catggcagaa acagtgaat 180
ctcgggcatg catcttcttg gtgagccagn ccaccttntc tctggngttg ataaagatga 240
ctgcctgggt gatggtcagc gtctcataca agtcacacaa atggggtnaa gcttccactc 300
ctggaagatt cagaaagtca ggggttacac ttcaacaaac tttactacca gggctgcctc 360
ctggactggg ggcctcaacn ncttggtcen cattgatgna naattggggg atncctccag 420
gggcaatttt 430

```

```

<210> 84
<211> 423
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

```

```

<400> 84
tgacactaag tttatccngt gatgctgggt nnnggtgatt taattnttaa ctgttntnct 60
agctatatag tgaaaaagac tnanatcttg ntntgnagaa ccnggantana ntaanattct 120
gnctgtggat aatcccgttt gctttcttcg tgtcactttc ggctggggag aatgtcctgc 180
cctccaccat gcagccaggc gatgacgtgg tctccaatta cttcaccaaa ggcaagcgag 240
gcaagcgctt aggcacctcg gttgtcttct ccttcatcaa agaggccatc ctaccagcnc 300
ggcagaagat atactgaccc tttggggagg gcatgtgggg ggcaagacca agagagccag 360
gccctggga ctctgggcta atcgtgcctg ggagcctggg aaggagnctt ctgccagccc 420
agg 423

```

```

<210> 85
<211> 423
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = A,T,C or G

```

```

<400> 85
cccccaaca tgaaccagc anaaccatgt ccctttgacc agcctcacc ccagggtctg 60
ctgcagtgcc agtcccaggc aacatgctgt gtccagccct gaacccatgc tttgctcaga 120
tgtgactatg gtagtaggac agctgcctaa ctgagcctgt gggagggttc cccaaggca 180
cctgggtcag ngaagacatg taccctcccc tgatgcctac ccactgaaca ggacctcacc 240
aagctttttc tgggagaacc aaggggaggc aggaggggtt ctttaagaaag ccagccccctt 300
cctngaacca ttttccttat ggggaaatca gggnatctan ntgtccnctt ggaccnaagg 360
gaccaancc nanctngggg gatccanct gggaaaancc ccaaaaaaaaa aggccttttt 420
ttg 423

```

```

<210> 86
<211> 422
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(422)

```

<223> n = A,T,C or G

<400> 86

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atggcggtcca tggactggcc tggcacccca cactgngcac aagtcaccca ttctatgatg 60
tggccagaca cngnatnctg caggtggcag anggcttttg gagnggccat actgtgactc 120
antaacttca anatgaggga ttggtngcct tcngctatgg nccncagggtg gnaatggaac 180
ccagtgggcc aggcaagagg acccagtttg gaaaanacgn tgttttctgc tgttgcgccc 240
anaatccctg cagacagggg angngactgt gtgttgggtt agagcacana tctntnnact 300
aagcanaggc ctggccacag tnnctannga gagggagatg aatggatgct gnatctacaa 360
gcagattgtt ctggnatctt aaacactatn cgggctctgg agctccgaag aggaaaaaaa 420
aa
```

<210> 87

<211> 421

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(421)

<223> n = A,T,C or G

<400> 87

```
tcctcttcct acgctgccga acgaagcaac aggcagctct ccaatgnaat accctgcatc 60
ctccctcctt tagtcgctcc aactctcaag cctcagtaga cagcagcgca tccatggtag 120
gagttcctgc gggaaattga gagtatcaaa gagagcagcg tgggggctgc gcaggagcag 180
ccaccactg ctgctgctgc tgctgctgaa gtcaagccag tggatgaagg agagcttgaa 240
gcgagtggtc tacaagatgt gggattgtca actctgatct ctggcaacga agaggaagac 300
ggtaaagcgc tcctgtctac attgactcgg acccaagctg ctgcagtga aaagagatac 360
aacacatata ctcagactct gagggaaaaa aataaacaac ccgtcaggga tgtcagagac 420
a
```

<210> 88

<211> 420

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(420)

<223> n = A,T,C or G

<400> 88

```
accagtgggtc ctgcgcctgc tgnanttagg nattctgcct ggtgggtgggg atcctgacat 60
caagggnatgg gacaccccg caggaggttc ctggggcctg gcccccaaca atatgaagag 120
cctttgctga ggccatgagg ggttaccatg gcgaccgagg cagccatccc cgcccagccc 180
gctttgctga ccaacagcat atggacgtgg gccagctgc cagggccccg tacctgctgg 240
gctccaggga ggccttctcc accgagcccc gcttntgtgc tccgagagct ggcctgggac 300
acctttctcc agaaggaccc ctgagcctga gtgagggtcc atcatcagta ggcctgagg 360
gaggcccagg ggggggtgggg gctgggggag gcagnannac cttncaccagg atgtacccc 420
```

<210> 89

<211> 414

<212> DNA

<213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(414)
 <223> n = A,T,C or G

<400> 89
 gtccagtgcc agctgngggcg gngccgctac ccccacaagc ctgactgagt gctttgcagg 60
 ccaggnatgg gaagcaaggc cactactcggn aggcacaggt ccccgagcat ncttctctta 120
 cagaatcaac tccaccaccc atcctggggc agacctgaag gagaacttnt gncgnaatcc 180
 anacagcanc accacgggac cctggngcta caccanagan cctactgtgn gcanagagga 240
 atgcagtgtc nctgtctgtg ntgagctggg gccaggaagc aggtnatggc catggccana 300
 ggggnacntn agaaggctng tnantattga gtggncatca naatgctggc nncctttnan 360
 aacaanagga aggagnttca aactgaaggn gcanttaggc caaggacatt tgcg 414

<210> 90
 <211> 411
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(411)
 <223> n = A,T,C or G

<400> 90
 gtgcgagaag gaagccngtg gctgcectcc ctcenatgt gtccttgcca tgatcagggtg 60
 nctatcagat gacgtcanaa ccaagttgag ttcgggttta gccataagct ccttggggcca 120
 gtgtgttgaa gaacttaccc ttaacagtat tgatgctgaa gcaacatgtg tggccatcag 180
 agtgaatatg gaaaccttcc aagttcaagt gatagacaat ggacttggga tggcggggga 240
 cgatgtagag aagggtgggaa accgggtatct tactagtaaa tgccactcag tgcgggactt 300
 ggagaacca gcattttatg gcttccgagg agaggccttg gcaagtatag ccgacatggc 360
 tgggtgctgtg gagatttcat ccaagaaaaa cacaacactg aaaaaaaaaa a 411

<210> 91
 <211> 410
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(410)
 <223> n = A,T,C or G

<400> 91
 gctctatgcc cagggtacta tgtggctggg ctgctccagc ctggcggaca gcatgccttc 60
 gctgcgatgc ctgtataacc cagggactgg cgcactcaca gctttccaga gngggnnagc 120
 tgtcgatann ggntccattn tgaagcactc cagnaggact tncangatgg actctangct 180
 cntgctggtc ttccttagag gtgagcgagg acntgcttca tgctttcagn agangctgta 240
 gaagaagcga ntggnncttt gtagnaggan ngtgaaagag canaacttgn tgcccaaagn 300
 ttatgggatn anggtgngat gcttgagagt gtcttgnca gangtggtgt gctatctacg 360
 ntanggtatt ngaaantntg cgtgttagcg tttaatacct tacatggaat 410

<210> 92
 <211> 399
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(399)
 <223> n = A,T,C or G

<400> 92
 aggcaacatg gtaaggnanc tgcaaaccag ttgcagccac tgagtgagac tcaagtagtt 60
 aactcagnag ggcggctgtg tatggcaggt caccgacatg aaccggctgc gccgcttctt 120
 gtgttttggc tctgaagggtg gcacgtacta tatcaaagaa cagaagctgg gccttgagaa 180
 tgctgaagcc ttaattagac tgattgaaga cggcagagga tgtgaagtga tccaggaaat 240
 caagtccttt agtcagggaag gcaggactgc caaacaagag ccactgctgt ttgcaactggc 300
 cgtttgttcc cagtgtgcgg acataaacac aaagcaagca nccttttaaag nnnaanntga 360
 agngtgtggc attncgaccc cctcttgact tttatccag 399

<210> 93
 <211> 398
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(398)
 <223> n = A,T,C or G

<400> 93
 gcaacgctgt tgcgggtgta cttaaaggag ntcaaagacc ctttgatgca ggagccccc 60
 ggtgtggttc aagnccttcc tgctctgnga gcttgtgttc cagctgcctt tctttcccat 120
 tgcggcatat gcccttctca aaggaagctg cgggtggatc cgaatccctg caatcatcta 180
 tgcagctcac accataacga cttaattcc aatcctctac aactcctgt ttgaggattt 240
 ctctaaagcc gttgctttca agggacaaag acccgagagt ttccgtgaac gactgaccct 300
 cgtaggtgtc tacgccccct atttaataat cccctcata ctctcctgt tcatgcttcg 360
 gaaccctgac tacaagtatg aggagaaaag aaagaaaa 398

<210> 94
 <211> 390
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(390)
 <223> n = A,T,C or G

<400> 94
 agaaaaagct tccgaagcaa caagtggcaa ggacccccgc caccttgccg cctgcgtggn 60
 caccgcgcac agctgcaagt ccaccgcac ccgcctgtg cgaccctgac gcctcctgcc 120
 agtgccggtt cttcggcagc gcctgcacct gtcnagtact caaccccaac tgctgacgca 180
 gcttcttcgc tgcgcgcgca gcttcgggaa cgggtgattg ggccggggctt caggggtccc 240
 cgcttttagg ctgagggggc ggtctntgtg ggtggggctt gtgggtgggc gtgggtcagt 300
 gttgtgactt gtgggcgctt tnaaaaaacc ggttttctag gaaacctagt ggaagctaaa 360
 atcagaatac aataatattt ttaggctgcc 390

<210> 95
 <211> 379
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(379)
 <223> n = A,T,C or G

<400> 95
 tgagatggaa tccgtgaaaa ggggtgtggac cgaggctggg ggagggggcag gagaagctgc 60
 accagatgtg gctcagctgg aaccagaaga cccacagga tgctgaaaag gaccagctc 120
 agccagagca ggtggaggcc cgggcactca gcatgttcag ggacatcacc cagcagctgc 180
 agagcatgtg tgtggccctg gggggccagca tccagggctt gcccagccac gtcagggagc 240
 aggcacagca ggccccgcag ccaggtgaac gaccttagg gccacctttt tccggcattt 300
 cacttctttt ccagggacct tnttnagccg ggnnggtttt ggcccaaac ttcggggaag 360
 ccgccattaa accagaaa 379

<210> 96
 <211> 378
 <212> DNA
 <213> Mus musculus

<400> 96
 ataagctggg ggaagaaggc tgcgtacacc tcccaggatg ttgattcaga ctgcgcacca 60
 ggaaaggggg aaacgtcctc acccccgagg cacttgactt gcacctccag gcggcgctca 120
 ctgccagtaa agtccaagta tcaactctatg ggaaatcctg ggatttgaac aagatctgct 180
 acaaatcagg ggttccccctt attgaaaatg ggatgatcga gcggatgatt gagaagctgt 240
 ttccctctgt tcccctccct acctcctacc atataaatta ttatatgaa gatgtttatt 300
 tttgtatata gatgctatca ctgctcaaag ttctattttt aaagagtga atatatctta 360
 tacaaactca aaaaaaaaa 378

<210> 97
 <211> 378
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(378)
 <223> n = A,T,C or G

<400> 97
 agtaacagtg ctcacaccaa ccaactgcac gncaangatg ctgcaccggc tggcccatgg 60
 cctgggggatg gaagccctgc tnttccagct gacctgttc tgctctttca atacggctgn 120
 ttagtgacce agctgntgcg gnctacaaag agntagcgc tttngccaaa nacatcnttg 180
 gcaagntctt tgctttggct gcctntgaac cagcacngcg tantgnggag ctgctattct 240
 ggaagaacac cgcagtgggt cgggaaatga cccagggata tggntccctg gacagtgggt 300
 cttncagcca cagagntnct atgtngagcc ctgaggaaaa ggcccanctt taggaactat 360
 acctggccca caaggatg 378

<210> 98
 <211> 373
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(373)
 <223> n = A,T,C or G

<400> 98
acctgagggt aggtacannc gacgatggag acactgctgt ncgtcattgt ggagaaggta 60
tcattacatg gaacggtttc ttccatcagg tagaggagat tcnaagcagc actagccagg 120
attgcatcaa natntanctc agngangan naacacactc ntttcatnnt gnntncncca 180
cactcntatn gaagcctgna annccagcaa ggatcacaca ttcaaggna gctgaggcta 240
cagagaanat tcacgggnca gcctgagcaa ctgatgagac cctgtctaag aactgaaaac 300
tatagagaga gctgggggta cagctcagtg gtgaagtgnt caccaggtat gantaagggc 360
cagcactagg gga 373

<210> 99
<211> 371
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(371)
<223> n = A,T,C or G

<400> 99
tgaggactgc cccgtttttc ttgnaaaagc cgcgcctgnc tgggtctgtg nggactncaa 60
taccceanca ngcattgcag acagacacnn ggaggaacta cggatgccga ggaggcgctg 120
ctgggccttt cggagtagcc ggtaccgggc acttcaggca gatccgggac atcatgcagg 180
cgttgcttgt caggcccttg gggaaggagc atacggtnnt tttggttgct gcgggttatg 240
cagtgtctgt cgcgcattga anaaggagaa aatttagact gttcctttga tatggnggct 300
gagctcacac ctttgaatc agctatcaat gtgctggaga tgattaaaac agagttcaca 360
ctgacaaaaa a 371

<210> 100
<211> 358
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(358)
<223> n = A,T,C or G

<400> 100
gtcttgggaa acagattctg gagtctattg aaagcataca ttctgtggga nnccttcaca 60
gagacatcaa accgtcaaac ttcgccatgg gacgtttccc cagtacgtgt aggaaatgtt 120
tcattgctga ttttggcttg gctcgacaat ttactaattc ctgtggtgac gtcagaccac 180
ctcgtgctgt gncaggcttt cgaggagacg ttcgttatgc atcaatcaat gctcatcgga 240
ncagggnatg ggtngganct ngggacnttg naactgcgtg ctentgactn gcntnagagc 300
natatcttca tantncaggg anaggcataa tggngcgntt aggagctgag ggaccctt 358

<210> 101
<211> 348
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(348)
<223> n = A,T,C or G

<400> 101
 gcggcagcaa attcgtncgg gnaccgccgc cgccgtncgg gttcctccgg gaagtgaggc 60
 ggccggccggg gcagctgcgc cggtcttctca gcacccggca accggcaccg gcgccgtcca 120
 gaccgaggcc atgaagcaga ttctcggcgt aatcgacaag aaacttcgga acctggnaga 180
 agaaaaagng tnnaatagng gnnntntnan taaaacttnc nanantttat ttganantgt 240
 gaanatacat gaacaagata tnaaacttta nctattttga taagaaattt taatgtatta 300
 aattattaaa tagngaaaag aggaaatatt aaaatagtga aagcactg 348

<210> 102
 <211> 347
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(347)
 <223> n = A,T,C or G

<400> 102
 acctgagttt tggtaaaaca gtcacctata ctgnganaan nggaggctga gccnctcac 60
 aanagacaca tttnaggat gctgacagaa agaggaggga gagagtancc taggtggctt 120
 cccaaaggag gcgtcctgna gcattgggtc nggaanagct gaagagccta ncacatggca 180
 gacgacacac cgaggcaacg agagtcatt tccctcacac ctgtggccca tggcctgnag 240
 aacatggggg ccganttcct ggaaataatg nanganggcc agctcccaca caggcactca 300
 agctgccan aggggtggagg cngnaggagc aaagcagtgt ggaaacc 347

<210> 103
 <211> 342
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(342)
 <223> n = A,T,C or G

<400> 103
 ctgtcatcag ctgcgagcac tggagccgcc tcacgtangt agagtgcag gaagctgttg 60
 taagcgtcgc agcactgnag ccgcctcctc aggtatcctg gctctggnaa cttgctatgg 120
 gagattggat gactgtgaca gatccagttc tgtgtacaga aaacaaaaat ctctctcaat 180
 atacctcaga aacaaagatg tctccgtcca gtttgtactc ccagcaagtt ctgtgctctt 240
 cagtaccttt atccaaaaac gtgcatgggtg ttttcggtgt cttctgcaca ggagagaaca 300
 ttgaacaaag tatttcctat cttgatcagg agctggccac ct 342

<210> 104
 <211> 338
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(338)
 <223> n = A,T,C or G

<400> 104
 acctgaggct gcgcacangg tgtctaagga cctgggtggct ttgaagatgg tgaagatgga 60

gcctgatgat gacgncncca cccttcagaa ggagattctc atgctgaaaa cttgncggca 120
cgccaacatc gtggcttacc atggcagnta cctctggctg canaagctgt ggatctgcat 180
ggaattctgt ggagctgggt ctctccagga catctaccan gtgantggct nctctgtcca 240
cagctccaca tcanctatna tgtgccggga agtgcttcag ggactggcct acctgnnttc 300
ngagaagaag atacctcgag acatcatagg gagccaac 338

<210> 105

<211> 334

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(334)

<223> n = A,T,C or G

<400> 105

catgaatatt gcattaaccc ataaggacta ngggatataa tcncacngca caggaggggg 60
tgcacngaam antcngann cagnaacnna cncaatnttg ggnganttn cngtggtaat 120
ntacgccccaa ncgactacnt gtctctaaat nttncctng cgnntccgag accctgacct 180
ccggnagatg tttgggcagt ttggcaaaat cctagatgng gaaataatct ttaatgagcg 240
cggctccaag gggnttgggg gttcgtaaac tttnnagaat agtgctgatg canacagggc 300
caggagaaaa ttgcccgggc accgtggtag aggg 334

<210> 106

<211> 332

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(332)

<223> n = A,T,C or G

<400> 106

ctattatatg gtgcttgcan cacatctcct ggctattcga nggaagcant atntgggnag 60
acacttaact caagacaggt cccgcgngtc tncctncanc tccggaggac ccggcgaccg 120
aaagaagagg acacnatgtg caggcnctgg agaccacact cggaagaanc ccacccggnt 180
ggncattgnt gttgaaggag ggtttgacct caccgaggac angtttgaat ttgacagga 240
tgtgangatt gtcattnaaa cncantatct gccnancnt agngctccca aggnctgagc 300
tttctaanat tagtacacat ggtccagct gt 332

<210> 107

<211> 324

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(324)

<223> n = A,T,C or G

<400> 107

ataccgtttc cccaaagcca gnanccttac ctgtanctac cgctgggnaga agnaggcggt 60
gcttacagnc ggggagcatg aaggtcgact acgnataccc atcccganag gngcctcccc 120
cacggtgnat cacggtccan aagccatgna ncgnataccc taccancggg ggtaccggga 180


```

aacaccgtga cagtgatacn tatcgggtgtg aagagcggag ccangnnnt ggagaggact 240
gctatgggtc ttacgttnt cgacatcgga aacgggcacn gagagagggc gccttaccgn 300
acccgcaagc atgcccacca ctgt                                     324

```

```

<210> 108
<211> 322
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(322)
<223> n = A,T,C or G

```

```

<400> 108
tttctgagat tgacgcgctt ttngaaaagn ctgtcccggt gtcgnaagg nacctggtn 60
ccgtgacctt ccagcttta cagggcagna gccttcanta cctgaggaca ggaggtctct 120
ggagaangag aacacacctt catgaaccaa gcctncagta tgagaaagag ctaaagctgc 180
ttncacatga gaacccgaaa aacacctctt ttttgggggg gcattttttt ttntntttcg 240
ccctgntttt tggcttactg gactttggga naaaaccccc tttccanccn cttaaaanna 300
ngggggaagg gctttctttt tg                                     322

```

```

<210> 109
<211> 321
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(321)
<223> n = A,T,C or G

```

```

<400> 109
ttaccttag ggatttgaat ggggaaggnc ttgaaaganc nacatgagca agaaagcgtg 60
tganaggag atgcagcga tcaccttgcc cctgtctgcc ttcacaaacc ccacctgtga 120
gaccgtggat gaaaacacca tcattgtgca cagcaaccag actcctgctg acgtgcagga 180
gggcagcacc ctctcacgg gccaggctgg cacccttggg gcctgagccc cttcagtggg 240
caggtgcccc tgtaaacact ggtacaggac aggccacct cctgcagttg ggaggagcta 300
cattttgtgt tgtggttaaa a                                     321

```

```

<210> 110
<211> 312
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(312)
<223> n = A,T,C or G

```

```

<400> 110
ctgaggactt acctcttcna attcctgggtg attggcagtg ctggaactgg caaattatgt 60
cttctcccca gtttattgag aataagttca aacaggactc caaccacact atcggcgtgg 120
agtttggatc cagggtggtc aacgttgggg ggaagactgt gaaactacag atttggna 180
ctgctggcca ggagcggttt cngtcggnga cgcggantta ttaccgaggg gcanntggag 240
ccctgctggt gtatgacatc accagccggg aaganatata accttacttc gctgnttggg 300

```

ctaacttgat tg

312

<210> 111

<211> 295

<212> DNA

<213> Mus musculus

<400> 111

```
acaccctcc tccgctcgtg cccccggcgg cccgcgagtg gaacctgccc cccaatgcgc 60
ccgcatgcat ggaacgtcaa ttggaggctg cacggtaccg gtctgatggg tcccttctgc 120
tcggggctc cagcctgagt ggctcgtgct gggtaggttc tctgtggttt ttcaaggatc 180
ctagtgcggc ccccaacgaa ggtttctgct ctgctggcgt ccagaccgag gctggagtag 240
ctgacctcac ttgggtgggg gacaaaaggta tcctagtggc ttctgattca ggtga 295
```

<210> 112

<211> 287

<212> DNA

<213> Mus musculus

<400> 112

```
cggttccact tggcagtcag tcgaatccat tcaaggctgc ttagtccaac ttaatgaagc 60
ctgtgtcctt cgtgtactgc cggaagcact ggcggcacac gttcagccgg tatttgcgga 120
tcaaaccgtg acggttggag cagacacggc aagagcggga accctggccg aacttccgtg 180
ggtgactcca gtagagctgc tggtcacca tcttgccttc agacacccaa cgaggagaaa 240
ggtctaatta atttttaaat aaataccatt ttatatgaaa aaaaaaaa 287
```

<210> 113

<211> 272

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(272)

<223> n = A,T,C or G

<400> 113

```
gctggctacc atgaaacaac natccccnnt gtgccgaagg ctctgtagt tcanatccca 60
gcanccacat ggtgactnnc aacgtacccg naatgagatg ggacgccttc ttctggngtg 120
tctggagcga gcangnactg agtgancaca gtngaccgga ataantnnag gtcctaaaat 180
tcaattccca acaaccacat gaaggctcac aaccatctgt acagctacag ng tactcaca 240
tacaataaat aaataaatct taaaaaaaaa aa 272
```

<210> 114

<211> 268

<212> DNA

<213> Mus musculus

<400> 114

```
ccctgcgcgg gggaccagga ccgctgacac cacaccctg caatgagttg ggggcctctg 60
catcgcccag aacgcctggg cctgcccgcg ggggtagcgg caggcgacag ccaagacctg 120
actcccttat cttttaccgc caggcgagga ctgtggaaac gggtaaagtg gccacgtggc 180
ctctctagat tctaaatgtg agcagcgatg gacttggggg gagagatgaa cgaactactg 240
aataaagcta aaatgttatt taattaaa 268
```

<210> 115

<211> 260
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(260)
 <223> n = A,T,C or G

<400> 115
 aggcacctttc cggcacctgg nggctctttc agcctgaacc taccaccgnc tcaagtatct 60
 tctactagta cagcgaaagn agtaggcaca atccccagtc nccccctcag gaatccagcg 120
 ccaccttgaa gcgtgggtgga aagaagtgtg ctgtacccca ctccagcccc aatctagcgg 180
 aggtaaagaa gaaaggcaaa atgaagaagc tgagccaacc agctgaagag gacctagttg 240
 tggggccttg aaaaaaaaaa 260

<210> 116
 <211> 252
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(252)
 <223> n = A,T,C or G

<400> 116
 tctcaccttc acggagctac agtggttcctt acgatgccac gccttcctgc gcaggaacag 60
 cggctgctga cccaagctgt gtgcttgccc ,atggcgaggg tgggagcagc agctcggggc 120
 ctccgggtcca cttcccatgt cacagcctcc tctgcctcca gcccaccaa ctagagctgg 180
 ntagcatgaa gggagacagc gggtcccaac tggagtacag aggtaaagggc caataaagag 240
 gacaggaggg gg 252

<210> 117
 <211> 250
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(250)
 <223> n = A,T,C or G

<400> 117
 agcatcaatg gttcaagcca ggaagtagca tctgagaaag acttggtgtcc tcccctcctt 60
 caaaggctta tgggtgaacg gacataagac tgctgcatcg ggactcacca aaaagtaggc 120
 nnccacntac ctctgaaact gtgcgatctc ctggctaatag tcatccagct ctttaacacc 180
 agtgaactct cctgatgcca gagtacttga actgtcctag aattaaaact tgaaatgtca 240
 aaaaaaaaaa 250

<210> 118
 <211> 234
 <212> DNA
 <213> Mus musculus

<220>

<221> misc_feature
 <222> (1)...(234)
 <223> n = A,T,C or G

<400> 118
 agagcaccga cagcctaattg tnagtgtctgg cagtgaggct caggagggtga nccctcntcc 60
 tgctgggaac agaagcnnag aggtgccngt taaagantaa nccnngnttt gaactttctg 120
 gggcacttct tgaggacacc antaccttcc ggggtgnggt tattaaatac agngagcccc 180
 cagaagccna ggatcccccان taaancngng gcgcctntac ccctttaaaa atga 234

<210> 119
 <211> 225
 <212> DNA
 <213> Mus musculus

<400> 119
 acctgagggtt ttaaaatgga acatttcgat ggcgtaactc agtacctatt atgtgtgtgt 60
 cttctcccta ggtacccgctc tgcagggtgtc tttacatatc tcaatacaaaa aattataaca 120
 tttgatagtgt tgctgtcaaaa gtgtgtcttag ctcatctgga tatacccaca ctgttaaata 180
 atgtctaaac attaatacatt aaaacctttt tgattaaaaa aaaaa 225

<210> 120
 <211> 222
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(222)
 <223> n = A,T,C or G

<400> 120
 tgagcctgtg aactcctggc cttgataagt ccttgacgcc gatnccctgg tcctggctga 60
 ggacgggacc atagtggatg acgatgacta cttcctctgc cttccttcca atacaaagt 120
 tgtggcgttg gcctgcaatg agaagtggac ttataatgat tccgatggan gnacngcttn 180
 ggtttcccaa gagnccctnn aggcagatga gccagacagc cc 222

<210> 121
 <211> 222
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(222)
 <223> n = A,T,C or G

<400> 121
 acctggaggg atggagtttt cttggaacgt tcgtaaaagg aaaaggttct aggaggatgg 60
 cagcaagtat gcttcggcga aggcaaagna gtctgaagtt ttttatgagc ttgctcatca 120
 gttgccactt cccacaaatn cacagcaaac tgaagatcaa caacttgaag atgttccatt 180
 atataatgat gtaatgnctt cctcttctaa tgaaaaatta aa 222

<210> 122
 <211> 212
 <212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(212)

<223> n = A,T,C or G

<400> 122

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aacaggcgtc acatcattga taacagggta cattgttgct tctacttcat ttcacctttt 60
ggacatggac tgaagccctt agatgttgca tttatgaaag cgatacacia taaggtgaat 120
attgtgcctg tcattgcgaa agctgacact ctcactctga aggagcgtga gcgncttaag 180
aaaaggattt tggatgaaat tgaagagcat ag                                     212
```

<210> 123

<211> 210

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(210)

<223> n = A,T,C or G

<400> 123

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aaaatccgga gtcttcaatg tatcanagct tgtgagagta tccatgaaca cccataaccc 60
agggtaaactg gagtcaactt cccaancgga agaaattccc agccaacctt actatgatga 120
catgaactnt ggtgtgaacc tgcagaggtc gttgtcttct ccaccgtgca gcaaaagacc 180
caaancatn tctatggatg aaaatggggg                                     210
```

<210> 124

<211> 208

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(208)

<223> n = A,T,C or G

<400> 124

```
acttctccag cctcctggag ctcacactgc tggctcgaaa ctatatgaat gcgggctcca 60
ggaatgctgg tgctttcggc ttcaatatca gcttcctttg tangcttcga gacaccaagt 120
ctgcagatca gaagangact ctgttgcat tcttggtgta gttatgtgag aatgaccacc 180
ccgaagnnct caggtttctt gatgagct                                     208
```

<210> 125

<211> 208

<212> DNA

<213> Mus musculus

<400> 125

```
taaattttaa aatggcctcc ataaaactac attgcaaaaa atgggaaaga aacaaaatgg 60
aaagagtaaa aaagttgaag aggcagagcc tgaagaattt gtggtagaaa aagtactgga 120
ccgtcgtgta gtgaatggga aggtggagta tttcctgaag tggaaggggt tcacagagta 180
agaaacctca gtgcttcaaa aaaaaaaaa                                     208
```

<210> 126
 <211> 204
 <212> DNA
 <213> Mus musculus

<400> 126
 tgaggatgca tttctgagcc ccggttgttg ttcccgatgg ccctcgcagc agcgagtccg 60
 tggaaggaag ccctttccgt ccttcccact cctcctcggc ggtgttcgat gaagacaagc 120
 cgatagccag cagcgggact tacaacttag acttcgacag catcgagctg gtggataact 180
 tccagagctt ggagaaaaaa aaaa 204

<210> 127
 <211> 189
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(189)
 <223> n = A,T,C or G

<400> 127
 aagtatgttg tccgtaaaan gagcaangca gcagtannaa ancatgcaaa aatgnaaggc 60
 tgaagatgga gagaactacg ccattaagaa gcaggcagca gatccctgca ngtagtcccg 120
 gatgatgatc ccagattgcc agcggtcggc ntagcaggct gncatatact gatcttcagc 180
 agatattag 189

<210> 128
 <211> 183
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(183)
 <223> n = A,T,C or G

<400> 128
 actgcctgca ctgcagtgtc cccagangna cacatggtaa cagtgatgcc gctggcagta 60
 tggagtaagt accatcagca agctcatgtt tgacttccag agggagtcca acctcagatg 120
 acgactctgg ctgtgctttg gaagagtacg cctgggtccc cccaggggctg aagcctgagc 180
 aga 183

<210> 129
 <211> 180
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(180)
 <223> n = A,T,C or G

<400> 129
 gtgcacattg taatactggg cagtaatttt gaaaggatta cagtatcatc ccaggcgcta 60
 agcatggtaa atattcaagt gggatgtgta gactgttcaa tgcaacaagg caagnattgc 120

agcatcctat gggaacgtta tctctgtttt tgaaccagtc agtttgccga aaaaaaaaaa 180

<210> 130

<211> 178

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(178)

<223> n = A,T,C or G

<400> 130

actgaggaga agcgggttngc agtggttngag atcctctttg ccctcatgan catccctnat 60
cctttacagc tccaacagtg ncaacgaggt cttccactac ggctccctgc ggggccgnac 120
gcgtcggcca gtcaactctn angaagnnga gtttctccag cgctacttc cctatcct 178

<210> 131

<211> 170

<212> DNA

<213> Mus musculus

<400> 131

aaagaagcag caacagtgga agagctgaac cccaaaggca tccctgagtt ctggttcacc 60
atcttcagaa atgtggacat gcttagtgag ctggtgcagg aatatgatga accgatcttg 120
aaacatctgc aggatattaa agtgaagttt tcagacccta aaaaaaaaaa 170

<210> 132

<211> 161

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(161)

<223> n = A,T,C or G

<400> 132

tgtgtcttac tccctncata cctactggac gctgctgtgg tgtacagagg ccctgccctt 60
ggctgncacc gccctcttcc ccatcatcct cttccctttg atgggtatca tggaagcctc 120
caaggntctn taaaaggact acaaggacac caacatatgg t 161

<210> 133

<211> 160

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(160)

<223> n = A,T,C or G

<400> 133

tgaggttgca aggtgagaag anntcggccc agnggcgaac agtggagggt gcnttgaagg 60
agcgacagaa aggcagttga tgangctgcc gatgccctgc tcaaagcaaa agaagagtta 120

gagaagatga aaactataat tgaagatgca aaaaaaaaaa

160

<210> 134
<211> 153
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(153)
<223> n = A,T,C or G

<400> 134
catagcccat gtgctgaatc aaatagaacc cttcctgggt caacgacgaa tggctccagg 60
gcattcttaca ggactcaagc cccagctgga ggttgaaggt naggaaactg gagaagatct 120
tacaggagct tgggtggaata ctcgaagaat gtt 153

<210> 135
<211> 146
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(146)
<223> n = A,T,C or G

<400> 135
caagcctgca cttggaacgt tagcangcac cngttggccc anatcccaga agaanagacg 60
aggaaagang aggaaaggaa aaaataggan nctgatcana agaaggaagc tgctgtttct 120
gtacaagang agtctgatct tgaaaa 146

<210> 136
<211> 143
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(143)
<223> n = A,T,C or G

<400> 136
acgcatgaag tcagtaccac ccgtcnnac caactccaga atggacttgc catttttctt 60
acaaagnatg tacgtcaact gctgaaaaat ggagacgccg tacctggaaa aaaaaacgaa 120
gaaaaancct acataaatag gac 143

<210> 137
<211> 138
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(138)
<223> n = A,T,C or G

<400> 137
ggcctgtgca gtgacatggt ggacttctct agctgcctac atntgaagcg aactgttctg 60
centgttagg gaaactgatg accttagcaa agaatttgcc cgaccctgga aaagcacaag 120
atattgtaaa aaaaaaaa 138

<210> 138
<211> 135
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(135)
<223> n = A,T,C or G

<400> 138
tgaggtagaa aatgtttacc ctcnacctgg ctgggttgaa atcgatcctg attctctctg 60
ggctcagttt gttgccgtaa taaaagatgc tgtcaaagct gcaggggtgc agatgaatca 120
aattgtcgaa aaaaa 135

<210> 139
<211> 135
<212> DNA
<213> Mus musculus

<400> 139
aataactata ccgctcttca tctattaatt acagccagga atctggagca gcagctgatg 60
atataaagcc atgtccacga tgtgctgctt atataataaa gatgaatgat gggagttgca 120
atcataaaaa aaaaa 135

<210> 140
<211> 132
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(132)
<223> n = A,T,C or G

<400> 140
aagcgattgc cagctggaat ggnagggtatt accttcagct ccctgacgac tacgagnact 60
cgcgcttctg agcctgggaa gaagaggggtg agatgggcag acctagaaga aaagaaggat 120
gcagatagga aa 132

<210> 141
<211> 126
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(126)
<223> n = A,T,C or G

<400> 141

gacttgggca ccacctactc gtgcgtgact cgtgttcnag cacgnaagg tggagatcat 60
cgccaacgac cngggcaanc gcacgacccc tagctacgtg gncttnaccg acaccgagcg 120
cctcat 126

<210> 142
<211> 110
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(110)
<223> n = A,T,C or G

<400> 142
cagctgcagc caccgccgcg cagtnccacg ctggctccgc gcgccatggt caccacagc 60
aagnttcccc cgccgggat gagccgccc ctggacacca gcctgcgcct 110

<210> 143
<211> 107
<212> DNA
<213> Mus musculus

<400> 143
tctcccttgg ggacaccatc ggtgtaggca cccaggact catgaaagac atgctgactg 60
ctgtcatgca tgaagtgcct gtgacagcat tggctgtcca ctgccat 107

<210> 144
<211> 636
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(636)
<223> n = A,T,C or G

<400> 144
gctgtgcgca cgctcaaacc ctgcaaacca atgnccagct acctgggaca ggtaaagcgc 60
caacggnagt gacccccagg cgcagctggn aggctatgga gatgtacctg gcacggagtg 120
gactgcaggt ggaggacttg aaccggctaa acattattca tgctactggg accaaagga 180
agggtccac ctgtgccttc accgaacgga tcctgcggaa ttacggcctg aagaccggct 240
tctttagctc tcctcacatg gtgcaggtgc gggagcggat tcgaatcaac gggaaaccaa 300
tcagccccga gctcttcacc aagcattctt ggtgcctcta taaccagctg gaggagtcca 360
aggacgacag ccatgtctcc atgcccctctt acttcgcctt cctcacactc atggccttcc 420
atgtcttctt ccaagagaag gtggacctgg cagtgggtgga ggtgggcatt ggcggggcct 480
ttgactgcac caacatcatc agaaagccag tggtngtgg agnctcctct cttggcattg 540
accacaccag tctactagga gatacagtg agaaaatagc atggcagana gggggcatct 600
ttaagcctgg tgtccctgcc ttcactgggg tgcagc 636

<210> 145
<211> 615
<212> DNA
<213> Mus musculus

<220>

<221> misc_feature
 <222> (1)...(615)
 <223> n = A,T,C or G

<400> 145
 gcgtctgcgg ccccggaangg caggcactgc caccggggcga atcgnnggcag ccatcgggcgc 60
 tngngtggac gtccagttcg atgcagggat taccacccat cctaaatgcc ctggaagtgc 120
 aaggcagggg acagcagact ggttttggag gtggcccagc atttggggga gagcacggtc 180
 agaactattg ctatggatgg cactgaaggc ttggttagag gccanaaagt actggattca 240
 ggggcaccaa tcaaaaattcc tggttggtcct gagaccttg gcagaatcat gaatgtcatt 300
 ggagaacctt ttgatgagag aggtcctatc aaaaccaaac aatttgctcc tattcatgct 360
 gaggtcctg agttcataga gatgagtgtt gagcaggaga ttctggtgac tgggataaag 420
 gttgtggatc tgctggcccc atacgccaaag ggtgggaaaa tcggactctt tggaggtgct 480
 ggcgttggaa agacagtact gatcatggag ctaatcaaca ntgtcgccaa agcccatggg 540
 ggttactctg tatttgctgg tggttggtgag aggacccgtg aggncaatga tttntaccat 600
 gaaatgattg atcaa 615

<210> 146
 <211> 606
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(606)
 <223> n = A,T,C or G

<400> 146
 gactgagact ggagatttga tgcacacact tgggggtgggt ggagaggacc acagtgacca 60
 tgatgaccac ggtgatcatg ctgaccacag tcatccggac aggaaagcca gccaccaaga 120
 ctctgagctc catactcccc acaacagcan catctagtgt atgggacacg ctgtgcctga 180
 gtgccaaaga tataatggct gtgtatgggc tatctgaaga ggctgggggtg agccctcagg 240
 cctgggcccc actgaccctt gccttggtcc agcaacagct aagtggagcc tgcagccctt 300
 accccactat ncgatttcag gaccagctca gnnaaacaga gaggtatctc tatggctcgc 360
 tggccaccct gctcatctgc ctctgtgctg tgttcggtct tctgctgctg acctgtgcca 420
 aatgcancac anccaccac tacatcatgc agaccttctt aagcttggct gtgggcgcac 480
 ttaccggcga tgctcttctg cacctgatac ccaaggngct gggactgcac acacatggng 540
 gagagggtca caccatgaa gaggatgtgg nccgttggtg ggcangccac cctggcgcct 600
 gctggt 606

<210> 147
 <211> 597
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(597)
 <223> n = A,T,C or G

<400> 147
 tgtcataaaa actttaagga gaagagaaac ccacgcaagg tcaggtggac taaagccttc 60
 cgggaaagca gctggcaagg gagctcacgg tggacaactc atttgaattt gaaaaacgta 120
 gaaatgaacc tgtgaaatac cagcgtgagc tngngaataa aactattgat gccatgaaga 180
 gagttgaaga gatcaaacag aagcgccngg ccaaatttat aatgaacagg ttgaagaana 240
 acaaagagct ccagaaggng caggacatca aggaggtcaa gcagaacatc catctcatcc 300

```

gggctcctct cgctggcaaa ggaaagcagc tggaggaaaa aatgggtccac cagttacagg 360
aggatgtgga catggaggaa gcttcctaac gngctgccc gcaaccagcc ctgagcacgc 420
tggagtggag tggagacttt cngcccctaa gttattcatt gggtccataa ggncccttcag 480
acaangggga ttcaatgtgc ttcccccttc aacgttgtag cctgtaaaag catncccttg 540
tggngnggtg ggtctnagct cancactctg ctctctgntg ttatgcgcac ccacaca 597

```

```

<210> 148
<211> 588
<212> DNA
<213> Mus musculus

```

```

<400> 148
actgaggttg acaagagttc cccgagatag aagccctgaa ggagcgggca tctctccagc 60
taccacagga atgtggtcgt gaggcagagc ccgcagcttt cagaagaaga gtagtcttgg 120
gccatggccc aggtcagcat caacagtgac tacagcgagt gggcttccag cactgatgct 180
ggggagcggg gcccgtttgc tccaaagtcc ctgtgtggat gtggtacctt agagtgaggg 240
ggagggcgtc cctggagatc cagacagcgg caccacttcg acgcttggag ccgtcttcat 300
cgctcgcaat gcctgcctcg gtgcgggtct gctcaacttc ccagcagcct tcagcaccgc 360
tgggggcgtg gcagctggca tcgccctgca gatggtgagt gagtgcgcgc gtgcgctggc 420
atcggaggta ggcaggcaac tccgggcctc tgatttgcag gggaggcctt gaatcagaga 480
tgagccataa gggacatatg tcgtcatcct tccctccctt ataatgact ttatcagctc 540
atcccagaac ttctgtgtga gccatggatg acttttaacg ttagatct 588

```

```

<210> 149
<211> 584
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(584)
<223> n = A,T,C or G

```

```

<400> 149
actgagattt ggactgagca acaaatttga atcagaattc ccttcttcat taactggaaa 60
agtagctcct gaagaattta aagccagcat caacagagtt aacagctgtc tcaggaagaa 120
tcttctctgt aatgtgcggg tggttgcgtt tgtggctgcc tgtgcttgcn tgcgtgcacg 180
ttaggggtgca gtatgtggcc agttatttgc ctacagtaaaa gaacacgaag atcgattgag 240
aagttattag aatgggaaaa caatagggtta taccacaagc tgtgcttgca ctggagactg 300
agcaaaagga aatgtgaaac gaacaacatg atggaatatg tcatcctcat agaattttta 360
ccaaagacac cgatttttct accagattag catttgcttt atttatagag actttccaag 420
ngngntgtct ttccaatggg gccttgcttg gtgctctcct gctggtgaca tgatgctggg 480
tctacagaat tggngngngn tcttgtttgn tttgtttttt aaataaccgg atgttctatg 540
tgtgcatatt tgtcaaactt tgcaaggatg ttcatacaga tggtt 584

```

```

<210> 150
<211> 579
<212> DNA
<213> Mus musculus

```

```

<400> 150
actgaggatg gctgttcttc tgatgaggtt gatgctacaa actacaaagc ttgaccataa 60
cttaattgga agatgttttc aaagacacgc tgtgaagcca gatccagcac agctgtccct 120
gtctgcgtcc accccaaagc tggtgtacct gacttctgca aaagggttta gtactgctgg 180
agaccacagc ggtgagagga aacagaaaag aagggatgct ttctctaaca ccggccggaa 240
gattagttag cggattatcc gcgtcctgga tgagaagggc atggacctgg ggatgatgca 300

```

```
tcgagcagat gtgatcagac tcatgaacaa gcaggacctg aggctgggtgc agaggaacac 360
cagctcagag ccaccggagt accagcttat gaccggagag cagatccacc aggagcggct 420
aaagctccgg gaacaggaaa aggccaaacc caaaactgga ccaactatga cgaaagagct 480
cgttttctct tcaaatattg gacagcacga tttagacacc aagagtaaac agatccagca 540
gtggatagag aagaaatacc acgttcaagt cacgataaa 579
```

```
<210> 151
<211> 578
<212> DNA
<213> Mus musculus
```

```
<400> 151
tgaggcgtg gagatctggt aaaagtacca tcgtgaaaca gatgaaaatc attcatgagg 60
acggctattc agaggacgaa tgtaaacagt ataaagtagt tgtctacagc aatactattc 120
agtccatcat tgcaatcata cgagccatgg gacggttgaa gattgatttt ggggaatctg 180
ccagagcaga tgatgcccga cagttatttg ttttagctgg gagtggctgaa gaaggagtca 240
tgacttcaga actagcaggc gtgattaaac gtttatggcg agatggcggg gtacaggcat 300
gcttttagcag gtccagggaa tatcagctca atgattctgc ttcatactac ctaaatgatt 360
tggatagaat atcccagacc aactacattc caactcagca agatgttctt cggacaagag 420
tgaagactac aggcatgtg gagacccact tcaccttcaa ggaactctac ttcaaaatgt 480
ttgatgtagg tggccaaaga tccgaacgaa aaaagtggat tcactgtttt gagggagtga 540
cagcaattat cttttgtgtg gctctcagtg attacgag 578
```

```
<210> 152
<211> 576
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> (1)...(576)
<223> n = A,T,C or G
```

```
<400> 152
actgaggtaa ccaggtctct ctgcagccat gtcagccaag gcaatttcag agcagaccgg 60
caaagaactc ctgtacaagt acatctgcac cacctcggcc atccagaacc ggttcaagta 120
cgcccgggtg actcccgaca cagactgggc ccactctgct caggaccacc cgtggctgct 180
cagccagagc ttggttgtca agccagacca gttaatcaaa cgtcgaggaa agcttggcct 240
ngtcggggtc aatctctctc tggatggagt caaatcctgg ctaaaacctc gcctgggaca 300
tgaagccact gtcggcaagg ccaaaggctt cctcaagaac tttctcattg aacccttcgt 360
ccccacagt caggcggagg agttctacgt gtgcattctat gctaccggg aaggagacta 420
cgtcctgttc caccatgaag ggggtgtgga tgtgggcgat gtggatgcca aagcccagaa 480
gctgcttgtg ggtgtggacg aaaagctgaa taccgaggac attaagagac acctgttggg 540
ccatgcacct gaggacaaga aagaagtcct ggccag 576
```

```
<210> 153
<211> 575
<212> DNA
<213> Mus musculus
```

```
<220>
<221> misc_feature
<222> (1)...(575)
<223> n = A,T,C or G
```

```
<400> 153
```

```

aacgggagcgc cgccacgngc ccaggcggca aacnccgnaa ccgctttgnc aantaaggaa 60
cggccagtga aacgtactac ttgcgcaacc tgagcaacaa ntcccanccg tacatggnag 120
tacatcttca ccacctgcgt ggacacgcgc tggcgctata tgctcatgat cttctccgcg 180
gccttcctcg tttcctggct cttnttnggc ctctcttctt ggtgcattgc cttcttccat 240
ggtgacctgg aggccagtcc ctctgtgccc gcggcaggag gcccgggggg caatggcggg 300
gcaagcccga atgcccccaa accctgtatc atgcacgtaa acggcttttt gggggccctc 360
ctcttctcag tggagaccca gacgaccatt ggctacgggt tccggtgtgt gacagaggag 420
tgcccgttgg cggncattgc ggnggggtgt ccagtccatt gtgggctgng tcattgactc 480
cttcatgatt ggcacgatna tggccaagat ggnacggccc aaggaagcgg gcacagaccc 540
tngntgttan ancaccatgc tgtcaatctc cgttc 575

```

```

<210> 154
<211> 571
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(571)
<223> n = A,T,C or G

```

```

<400> 154
ctgaggtatc actcaaccaa tctaaagcaa aagcacagca gggcaggcct tctgtgtgt 60
taacacagga aggctggcac cctggtcatt ctggagacct caggactgac cggcttccgg 120
aagggcagca agatctgtcg tcgcagcaca tggaagaagt tgccaggggt ggaacagttg 180
acaacaatcc agttgcagtc atagagctga ttgatgtcaa agttttcttc ctgcaggctc 240
tatngcatgg gaggaaatgg gcagaggcca atggcacctt gtgagcattg tgcctgggac 300
aggaggcaac acgaggcaga gaggtctcag gatgtctctc aggacactca aggactcact 360
gaggacagng agaacaggat ccacagcttc cctgagtctg agccccattt aatccngngt 420
ggctcctgag ggctaccgtt tagcagngga tacatgggat ctaggagacg tacagtcaag 480
tctacatttc cttagaaact gactcctggg ttctttttaa gctgccttaa cgcggctggg 540
aaagatggn a ctgactgttc ttccaaagg t c 571

```

```

<210> 155
<211> 570
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(570)
<223> n = A,T,C or G

```

```

<400> 155
gactgagctt ggcaattatt tatggcgtgt tctctgcttc aaatttgatc actccgtccg 60
tggtcgccat tgttggacct cagatctcta tgtttgtcag tggtttgttt tacagcatgt 120
acattgccgt ttttatccag ctttcccat ggtccttcta cacagcatct gtcttcatcg 180
gaattgccgc tgctgtcctt tggacagcac aaggaaattg cctgacgata aattctgatg 240
agcacacaat cgggagaaac agcggaaatt tctgggcact cttacagtct agcttgttct 300
ttgggaatct ctacatatat tttgcatggn aagggaagac ccagatctca ngntggnectn 360
gttcncgttg ctttattaan atggctatga aagttagcag caggactaca gaatggcccg 420
tctgctctaa ncancactca ctcccaggaa ctttggcacc ctgatgttgc ttctgangcc 480
tgccctttcc caagtggctg ggctttgcta gccaggctcc caagggtctg tgtgcgctcc 540
cttgttggat ccnggccctc cccaggttaa 570

```

```

<210> 156

```

<211> 569
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(569)
 <223> n = A,T,C or G

<400> 156
 gaagctgcaa ggtcacncat ttctgaatca tnggagcagg aacantaaac nagagaaaat 60
 ggtgtttacag atgacctggg atgctcccaa gcccaaaaaa gctaaaatga gagaaaagct 120
 aaatggagac accaangaag gacttagatt ttcagatgaa ttctcccat ctcataagtc 180
 aagaanaaaa gacctgccna atggagatgt ggatgagtat gagaaaaggt caaagcgagt 240
 gtcacacctca gaaaactctc acaagtcang cgatnaagca gagagactc taacacgtga 300
 acaaaaggaa ggagccttct ctaatttctc catttctgag gagaccataa agcttctgaa 360
 aggtcgaggg gtaacatatt tctttcctat tcaagttaa acctttgggc ctgtntatga 420
 aggaaaagat ttaattgctc aancccgagc aggaacagga aagacnttct cttttgccat 480
 acccttgatt gaaaggctcc aaagaaaaca agaaacantt ctgtttgccg tcnccctnng 540
 gtacttcggt ttgggtccaa caagggaac 569

<210> 157
 <211> 568
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(568)
 <223> n = A,T,C or G

<400> 157
 caagatgctc aactacanca ctcccagcgc tgggggctgc ctgctggaca ggaaggcagn 60
 gggcacccct gctggcgggg gcttccctcg caggcactcg gncactctgc ccagctccaa 120
 gttccatcag aaccagcttc tcagcagcct taagggtgag ccggccccag tccctgagct 180
 caccngaca gccgctttcg agaccgctct ttctccgaag gggcgagcgc gctgctgccc 240
 acccagaagc agcctgggag cggccaggct aactccagcc gctacaagac ggagctgtgc 300
 cgtcccttcg aagaaaaacg tgccgtgtaag tacggggaca agtgccagtt cgcgcatggc 360
 atccacgagc tccgcagcct gaccgcacc cccaagtaca agacggagct gtgccgcacc 420
 ttccacacca tcggcttttg cccgtacggg ccccgctgcc acttcattca taacgccgag 480
 gagcgacgcg ccctggcggg gggccgagac ctctccgctg accgtccccg cctccagcat 540
 agcttttagct ttgctgggtt tccagtg 568

<210> 158
 <211> 568
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(568)
 <223> n = A,T,C or G

<400> 158
 gactgaggtg gggctctttac tgggcngng agttncagt nggagactgc ggccatcacc 60
 gtcgcccctc gctgtccgcg tggcgggccc actcgatatt gcctgtggac gatgatatca 120

acgggctaaa	cgaggagcat	aagcngcntt	nnangtacta	tctctaagnt	tnttcaagag	180
aacctggccc	ccaaggccca	agagatngat	cnaaccaatg	acttcaagaa	cctgagagag	240
tntgtggaaa	cancctgggg	agcctggntg	tactgggcat	cacagccncc	gttcagtatg	300
ggggntntgg	cctgggctac	ctagaacatg	tggtggtaat	ggaagagata	tcccagggct	360
tnngggagcag	gggggctcag	ctacgggtgct	cactccaacc	tctgcgtaaa	ccagantgtg	420
cgaannggga	atgaggcnca	gaaagagaaa	taccttccca	agctcatcag	tggtgagttc	480
atcgagcct	tggccatgag	tgaacccaat	gctggctctg	acgttgcttc	catgaagcta	540
aaagcagaaa	agaaaggaga	tcactatg				568

<210> 159

<211> 567

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(567)

<223> n = A,T,C or G

<400> 159

actgagtaaa	tgttttattgg	aggcttgagc	tgggatacaa	gcaagaaaga	tctgactgaa	60
tattttgtctc	gatttgggga	agtggtnaac	tgcacaatta	aaacagaccc	agtcaccggn	120
aagatcaaga	ggatttgnat	ttgngctttt	caaagatgct	gcgtagtggtg	gataagggtt	180
tggaactgaa	agaacacana	ctggatggca	aattgataga	ccccaaaagg	gccaaagctt	240
tnnnnggggaa	agaaccccc	aaaaaggctt	ttgtgggtgg	attgagccca	gatacttcag	300
aagaacaaat	taaagaatat	tttggagcct	ttggagagnt	ggnctgtatt	gancttccca	360
tggatacaaa	aaacaaatga	aagaagagga	ttctgtttta	tcacatacac	agacgaagag	420
ccagtaaaaga	aactgttaga	aagcagatac	catcaaatac	gttctgggaa	gtgcgaaatc	480
aaagttgcgc	aacccaaaga	ggtgtacagg	cagcagcagc	aacaacagaa	aggaggcaga	540
ggggctgcag	ccggcggaag	aggaggt				567

<210> 160

<211> 567

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(567)

<223> n = A,T,C or G

<400> 160

gactgagaga	agatcttctc	agaagcaact	cccagggtgtg	agcagtgtca	gagcgtggta	60
aagcctgata	tcgtgttttt	cggtgagaac	cttccatcgc	gcttcttctc	ctgcatgcag	120
tcagacttct	ccaagggtga	cctcctcatc	atcatgggca	cctccctgca	ggtgcagccc	180
ttgcctccc	tcacagcaa	ggcaccacta	gccacccac	ggntgctcat	taacaaggaa	240
aagacaggcc	anacggaccc	cttcttgggc	atgatgatgg	gcctgggagg	tggtcatggat	300
tttgactcca	agaaggctta	cagggacgtg	gcctggctgg	gtgactgnga	tcaaggctgc	360
ctggctctcg	ctgacctcct	cggtatggaag	aaggaaactg	aagaccttgt	ccggagggag	420
catgccaaaca	tagatgccca	gtcagggtea	caggccccc	acccacgcac	taccatctcc	480
cctggaaagt	ccccaccgcc	tgccaaggag	gcggccagga	ccaaagagaa	agaggaacag	540
cagtaacagt	aaccatgacc	tcccgc				567

<210> 161

<211> 565

<212> DNA


```

cttcccacct gaggtgaagc atgcggtgcag agaaaaacgac cctggacctc tggaaccagc 300
caatgtcaca gtggataatg ttcttgttcc tgaacataat gaaaaaggaa cactgcagaa 360
aaccctatc agcttccaga gtatcctaga aggaaccaa catttccaca aagacttctt 420
gattggagaa ggggagatat tcgaagtata cagagtggtgac attcgaaacc aagcatatgc 480
tgttaaattg tttaaacagg agaaaaaaat gcaactaaag aagcactgga agagattttt 540
atcagaactg gaagttctac tc 562

```

```

<210> 164
<211> 560
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(560)
<223> n = A,T,C or G

```

```

<400> 164
tgaggggcaa gatgaagagg attgcctttc agttcacgcc ttacagctgg gtacgctttg 60
agtgggaagcc agcctccagc ctgcaccgct ggctggccgt gtgtggcatc atcctggtgt 120
tcctgctggc agagctgaac accttctacc tgaagtttgt gctatggatg cccctgaac 180
actacctggc cttcttgagg ctgggtcttct tcgtgaacgt ggggtggtgtg gccatgcgtg 240
agatctacga cttcatggat gaattgaagc cccacaggaa gctgggccag caggcctggc 300
tggtggcagc catcacagtc acagagcttn tcatcgnggn gaagtatgac ccgcacacac 360
tcacctgtc actgcccttc tacatctccc agtgctggac tcttggctcc atcctggtgc 420
ttacatggac tgtctggcgc ttcttctgc gggacatcac catgaggtag aaggagacc 480
ggcgacagaa gcagcagagt caccaggcca gagccgtcaa caaccgggat gggcacctg 540
ggccagatga tgacctgctt 560

```

```

<210> 165
<211> 556
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(556)
<223> n = A,T,C or G

```

```

<400> 165
actgaggtgg tgtatgagga cagccgcatg gttggcctga agggcccta tgtgtcaggc 60
ttcctggcct tccgagaggt ccttttctg gtggagttgg tacagcggct gcaagagaag 120
gaaccagatc tcatgcccc aagtcgttctt gtggatggaa acggggtgct tcaccaacga 180
ggcgttcggg gtggcctgcc accttggtgt cttacagag ctgccatgca tcggggtggc 240
cangaagctc ctgcaggtgg atggactgga gaacaatgct ctgcacaagg agaagattgt 300
gctcctgcag gccggaggag acacatttcc tctgataggc agctctggga ctgtcctggg 360
aatggccctg aggagccatg accacagcac caagcccctc tatgtctctg tgggccacag 420
aataagcctg gaggtcgtg tgcgcctcac ccaccactgc tgtaggttcc ggatcccaga 480
acctatacgc caggtgaca tccgctctcg agagtacatc cgaaggactc tagggcagct 540
tggggtggct cctgca 556

```

```

<210> 166
<211> 553
<212> DNA
<213> Mus musculus

```

<220>
 <221> misc_feature
 <222> (1)...(553)
 <223> n = A,T,C or G

<400> 166
 gactgaggtt ggaaaaaggc agacatgata aataaaaata tgactcatca ggtacaagct 60
 gagagagatg ccctggcact gagcaaaagc ccttttggtg tgcatactcta ttactcactg 120
 cagtcagcan gcaacatcta cttgataatg gagtatctta ttggtggaga tgtcaagtct 180
 ntccacata tatatgggta ttttgatgaa nagatggcta taaaatata ttctgaagta 240
 gcattggctt tagactacct gncagacat ggnatcatcc atagggatna gaaaccggac 300
 aatatgctta tttccaanga gggtnatatt aaactgacag attttggnct ttccaaagtt 360
 actttgaata nagacatcaa tatgatggat attctcacia caccatcaat gtctaaacct 420
 aagcaagatt attcaagaac tccaggacaa gtcttatctc tcatcagttc tttgggattg 480
 ttcacaccag ntggagaaaa agatcaagac tctgcaaaca tgtntncagc ccctaagtct 540
 gctgcacaaac ttt 553

<210> 167
 <211> 551
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(551)
 <223> n = A,T,C or G

<400> 167
 gaactgagcc ccctagggcc cagagggttg ttctgtctgt gacatgcctg ccatgtggcc 60
 actttcttcat gtctctctggc ttgtctctggt ctgtggctct gtccacacca ccctgtcaaa 120
 gtcagatgcc aaaaaagctg cctcaaagat gctgctggaa aagactcagt ttccagataa 180
 acctgtccaa gatcggggtc tgggtgggtgac nggacatcaa agctgaggat gnggttcttg 240
 aacatcgtag ctactgctca tcaagggctc gggagagaaa ctttgctgga gaggtcctag 300
 gctacgtcac tccatggaac agccatggct acgatgttgc caaggtcttt gggagcaagt 360
 tcacacagat ctcaccagtc tggttgcaac tgaagagacg tggctcgtgag atgtttgaaa 420
 ttacaggcct ccatgatgtg gaccaagggg ggatgcnagc tgtcaagaag catgccaaag 480
 gtgtgcgcac agtgctcga cttctgtttg aagactggac ttatgatgat ttccgaaacg 540
 tcttagacag t 551

<210> 168
 <211> 547
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(547)
 <223> n = A,T,C or G

<400> 168
 gactgaggtt tagaaggatc cagcccgagg ctaaggtggt cacagaaggg agagtcagcc 60
 atctgcagct aggagatatg cttaaaggaa agactcagca gcaaggagct ggggtgtgat 120
 ggccggctcc cagtggtgaca tggcgccagc ttccaccacc gaggggaactg gggaaaagcc 180
 agggccact gcgcccagc ccaccccagc tgetcagtat gagtgtgggg aatgccggca 240
 agtccttcag gtggctcatc cggctcctgc accatcagcg cactcacaca ggngancgnt 300
 cctataaatg ctgggactgc cnnaaancnn ttanggggnc ctgaancttc ctgtancacc 360

```

agcggngcca tacaggngan cgnnccatn aangcccaca ctgncccann gcctttnagc 420
gctntttctt gctgcagatc caccgcagtg ctgcacacnn gctctgtngn ncttgacctg 480
nnnncagagt ggtctggnct tccagnggtc atcccattac caataccact tgagacagca 540
taccggt 547

```

```

<210> 169
<211> 545
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(545)
<223> n = A,T,C or G

```

```

<400> 169
gactgagggtg ccaggagcag taccaggtg gctctggctc cagtgaggat gaagcggcca 60
gtgaggcccg gagcaccacc agtgactgtc ccagccttct cagcaccacc acagaggact 120
gcctgggtgg cgaagcggtg gacgaacaga gccagcagga aaacctggag gagaagctga 180
aaggttatgt ggactgcctg actgacaaga gtgccaagac ccgtcaagga gccctggaga 240
gcctgcgcct ggccctggcc tccgcctac ttccggactt tctgctggag cgcagcctca 300
ctctggcgga tgccctggaa aagtgcctta agaaagggaa ggggtgaagaa caggctcttg 360
ctgctgctgt gctaggcatt ctctgtgtgc agttgggccc tggacccaag ggcgaggagc 420
tgttccgtag cctgcagccc ttgtcatct cggtgctcag tgacagtaca gcaagcccca 480
ctgccgggt ccattgngct tctgctcttg gcttgggttg ctatgtggt tgccaccgac 540
gtcca 545

```

```

<210> 170
<211> 542
<212> DNA
<213> Mus musculus

```

```

<400> 170
actgaggaaa ggaaacctcg tgctcctgga aatggcctga tatgaaggag ccacctctcc 60
agctttccct gtgggtgect cgctcttcag gtacaggagc tggtgaaac atcaggaatg 120
gaagccaatg tgactatccc aatctggcaa aacaagccac atggggctgc tcgcagtgtg 180
gtaagaagaa ttgggaccaa tctccccctg aagccctgtc cacgggcac ctttgagacc 240
ctgcccaaca tctctgacct gtgtttgaaa gatgtccctc cagtccctac tctggctgac 300
attgcctgga ttgctgcaga tgaagaggaa acatatgtc ggggtcaggag tgatacacgc 360
cctctgagac atacctggaa gcctagccct ctgattgtca tgcaacgtaa tgctcagt 420
cccaacctgc gtggctctga ggagaggctc ctggccctga agaagccggc cctgcctgcc 480
ctgagccgca cactgagct gcaggatgag ctgagccacc tgcgcagcca gattgctaaa 540
at 542

```

```

<210> 171
<211> 542
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(542)
<223> n = A,T,C or G

```

```

<400> 171
tccgcactcc tacgagcccc gnggnncagg agtnctgtca tgccgctggt gcgctacagg 60

```

```

aaggtggcca tcctagggta ccgctccgta gggaagacat ctttggcaca tcaatttgtg 120
gaaggcgagt tcctggaagg ctacgatcct acagtggaga atacttacag caagacagtg 180
actcttggca aagatgagtt tcacctacat ctggtggaca cagcagggca ggatgagtac 240
agcattctgc cctactcgtc catcatcggg gtccatgggt acgttcttgt atactcggtt 300
aactctctgc gcagctttca gatcgtaaag aacctgtacc aaaagctaca cgaaggccac 360
ggtaaaaccc ggctgtcggg gctgcttgtg gggaacaagg cagatctctc tcctgagaga 420
gaggtgcagg cagttgaagg gaagaagcta gcagagtcct ggggtgcgat gtttatggag 480
tcgtctgctc gggataatca gctaactcaa gatgtcttca tcaaagtcac ccaggtggag 540
gg

```

```

<210> 172
<211> 538
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(538)
<223> n = A,T,C or G

```

```

<400> 172
aacttgtccc atctggnaca ctgtgcttgg ggctttagat gttcaagaac actctttggg 60
tgtccttget gttctgtttg tgaagttctc aatgcccagt gttcctgact tcgaaacact 120
attctcacag gttcagcttt tcatcagtac atgtaatggc gagcacattc gatatgcaac 180
agatacgttt gctgggcttt gccatcagct aacaaatgca cttgtggaaa gaaaacagcc 240
ccttcgagga attggcatcc ttaagcaagc catagacaag atgcagatga ataccaacca 300
actgacctca gtacatgccg atctctgccg gctttgttta ctacggaagt gctttaaacc 360
tgcccttcca tatcttgatg tggatatgat ggatatctgg taaagagaat ggagcctatg 420
atgcaaaaaca ctttctgngc tactactatt atggaggaat gatctatacg gggctgaana 480
acttttgaaa agancgctgt acttttatga gcaggctata actactcctg cctgggccg 538

```

```

<210> 173
<211> 537
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(537)
<223> n = A,T,C or G

```

```

<400> 173
gccatgaaag aatcatnatn catttttatcc accacctctt cctcctgcaa caagagtgag 60
gccgtcctct ccatagngca gctgtaccac ctggttgatg gatttnctca cagttgcatc 120
atatttcacc atcacgact ccattggactt tatcagcctt cgctgaatat accctgggaa 180
aggggaattaa ttgaaagacc tgaggtaaaa gcatgacaaa gctcaaaatg cagagaccaa 240
aattcanctt tagatggaga atccccattc ccactctccac aagagctcan aaaaggcctc 300
accagtctca gcagtcttaa cagccgtgtc aatgagacct tctcgtcctc ccattggcatg 360
gaagaagaac tcantgggtg tgagaccanc caagtatgaa tttntacaa agcctcgnct 420
ctcaggacca taatcatnct tgataaagtg aggaagagtc cgatgcttga atccaaatgg 480
gatccgcttg ccctctacat tctgtgtccc gacaacagca atgacctaa ggggatg 537

```

```

<210> 174
<211> 535
<212> DNA
<213> Mus musculus

```

<400> 174
actgaggcct ggtaggggag gagtgtgtag gtgccatcgt ttgcaagttg gatatgcaca 60
aaaagatgtt ccgcagaggt tatatagcca tgtagccgt ggactccaaa tacaggagaa 120
atggcatttg tactaacttg gtaaagaaag ctatatatgc catggttgaa ggagactgtg 180
acgaggttgt tttggaaaca gaaattacaa ataagtctgc tttgaaactt tatgaaaatc 240
ttggttttgt tgcagataag aggctgttca gatactatctt aaatggagtt gacgcactgc 300
gacttaaaact gtggctgcgc tgaggaactg acagcaagga acgactccac ccacacggaa 360
gcgacttttg catgcaatgc aatttgtgca gaattgcttt gcaggtggat ttagtgattc 420
ccatgcagct gttatctgtc agtgtccatt gagtgtcgca caatatttgc tgcactttgg 480
catggcgcac ttgttctgaa ttaaatgaaa ttgttttaaa cttcaaaaaa aaaaa 535

<210> 175
<211> 532
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(532)
<223> n = A,T,C or G

<400> 175
gactgaggct gttgaattgg ctgnctataa tgggnaagaa cctacattgt anaagagact 60
gttggncagt atntttcaag catnaacctc cagggaannc cttttgtctc tggctttttg 120
ataggacagn gctcttcaca aaaggattat gtgattcttg ccactagaac accacccaaa 180
gaggaacnaa atgacanngt caaacngccn agagctaagt tggataatct ggatgaagaa 240
tggggccacag aacatgccan ccaggagtct ctgngncacc cntggcaaaag cttgagcann 300
agaccttaac gcctaccccc ncagngacnc anttncnca acaaagctnt gcctactnca 360
ccaagaccac acttgcnat agnnccttc ccctgcttg agcncagct tcaaacacat 420
gagngcattg gngccgtacc tattcacacc accacatctg ncangaagna ggaanagcat 480
agnngcgttg gggctggatc tngnaaaagn ggggcatcaa taaagatact gc 532

<210> 176
<211> 527
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(527)
<223> n = A,T,C or G

<400> 176
acgtgaaaaa attgtttcat cagctcatat gttgtgaaag ccacagcttg agaggggata 60
cagcggatgt agttcagaga taagccacgg tacaatcctc tccgaatccc atgctgtcca 120
tagacgtact tcatggtctc ccgcattgta ctgaaaggca gtggaaaatg atatagcaac 180
catccaaagg ggacaagcca ccacaagggt acaagacanc tcaagagccc agaacagctt 240
cgtttgtttg gatggttctt tcagacagaa tgggtgctctg cagcctgggc tagcttttga 300
ctataatctt ctgctcccca aatgctgggc aaagagggtt atgccaccag aaccaacctt 360
gagtagcatt tttaaaggag gcttaactgg ttatggttgc tcaagcttac aatcttagca 420
cttcagaagc taaaaggagt ttcaagccaa cttgagctac agagatagaa tttgtatcaa 480
ataaaacaat aaatatttgc atatataaat acacacataa aaaaaaa 527

<210> 177
<211> 524
<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(524)

<223> n = A,T,C or G

<400> 177

```
gactgagtga tggtcagtct tcagccattc ctgtagccag tgtggagttt gcagccatct 60
gtctcagaaa tgccttggtg ctgttacctg aagaacagca agatcccaag caggaaaatg 120
gctccaagag cagcagccag cttggaggga acaccggaaa gcagcgagag cagcgagacc 180
gtgcagcagt aagagccatg atggagataa agttcattcc ctgctccacc gtcttctccc 240
gntgaggaaa cagggagtta agaaaacctt naagtgcctt attcttgctt gcagtgccta 300
tgtggctctg gcccttaggt gataancctc atggcctttg aaccatgcag atcagctcct 360
gcagcanccc aagctggctg gcttttntta aattttgggc ccatttataat ggccggagaa 420
agcccctnnt cttcccttca anagggatnt gttgatgccn antaannnnc tttgaccena 480
aaaaaatgnc acttgatntc tttcttttgg ggatcttttt taaa 524
```

<210> 178

<211> 523

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(523)

<223> n = A,T,C or G

<400> 178

```
atgatggcca agaactggag cgctgctggg aacgctttct gccaggctgc ccaactgcac 60
ctacagctcc aaagcaagca ctgatgcagc cacctgcttt gnggacgctg gcaatgcctt 120
tcaagaaagc tgaccccaa gaggccatta actgtctgat gagagcaatt gagatctata 180
cagacatggg cagattcaca atcgagccca agcaccacat ctccatcgct gagatctatg 240
agacagaact ggtggatgta gagaaggcca tcgcccacta tgagcaatct gcagactact 300
acaaaggaga agagtccaac agctcagcca acaagtgtct gctgaagggt gctggctacg 360
ccgcacagct ggagcagtac cagaaggcta tcgacatcta tgagcagggt gggaccagtg 420
ccatggacag tcccctcctc aagtacagcg ccaaagacta cttcttcaag gcggccctct 480
gccacttctg cattgacatg ctcaacgcca agctcgtgtt ttc 523
```

<210> 179

<211> 522

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(522)

<223> n = A,T,C or G

<400> 179

```
cagttccaaa cagtgcacct gcgggagatc tcaaccagc tggagaagtg gacatgaggt 60
tggcaggccc cctgcgcctc gtggccctaa tcatcattat gggctctacc tggatcctag 120
tcaccatcct cctaggtggt cctgggtgtg gccttctctg aattcagcag ttcttcacca 180
gccagagaaa ctcagtgact gcagaaccaa gggccaggaa gtacaaatgc ggccctgccc 240
agccttgctc tgaagagcac ctgagctttc gaatagtcag cggggctgcc aatgtcatcg 300
ggccaagat ctgcctcagag gacaagatgc tcatgagcag cgtcaaagac aatgtggggc 360
```

```

gtggcctgaa catcgccctg gtgaatgggg tcagtgggtga gctcctagaa gccagagcct 420
ttgacatgtg ggctggagat gncaatgatc tcttgaagtt catccgnca ntgcatgaag 480
gnaccctggt gtttggggca tcctatgatg atccagctac ca 522

```

```

<210> 180
<211> 521
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(521)
<223> n = A,T,C or G

```

```

<400> 180
gactgagatc cagttgtggg acacggcagg gcaggagcgg ttcaggaaga gcatggtcca 60
gcactactac aggaatgtgc atgctgtcgt ctttgtgtat gacatgacca acatggccag 120
cttccacagc ctgccggcct ggatagagga atgcaaacag caccttgctg gctgaacgac 180
ataccatcga attctgggtg gaaataaatg tgacttgaga agcgccattc aggtgcccac 240
agactnnnca cacaagtttn ttgactcacn ctattttgcc tntgcncccc ancccangtg 300
natacncnctn tgnttttgac tcaactgaaa tctatattca tgaccttacn ccanaagcca 360
aagaccacaca agccattgat gcttnnccag ctgncgtgata acagaattag cctgaaacct 420
gagaccaagc ctgcggtgac ttgctgggtg tgagtcatag gtgtggccat tgcgggtctg 480
acttacctga agagatgatt ggggaagtgtg acagtgatga a 521

```

```

<210> 181
<211> 520
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(520)
<223> n = A,T,C or G

```

```

<400> 181
ccgtggctcc acatactgct gcaccactnt gagcacanac tntgntanc tnatggtgtg 60
nccntgcnnn tactggtnct ncntatancc anttgntant naaacctttt atactcttgg 120
gcaangnatg ttctgttctt gaaaganngg gggggcccag aagtccagaa tgctgtgtcc 180
aaccagcgg ctgggactgt catcctgctg gaaaacctcc gctttcatgt agaggaagaa 240
gggaagggaa aagatgcttc tggaaacaag gttaaagctg agccggccaa aattgatgct 300
ttccgagcct cactgtccaa actaggagat gtctatgnca atgatgcttt tgggactgca 360
caccgagccc atagctccat ggggggngtg aatctgccac agaaggctgg gggatttttg 420
atgaagaagg agctgaacta ctttgccaag gctttgggag aatccagagc gacccttcct 480
ggctatcttg ggaggcgcta aagttgcaga caaggatcca 520

```

```

<210> 182
<211> 516
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(516)
<223> n = A,T,C or G

```


<400> 182
gactgagggg tttatgacgc ttnaggctgt ggctgaatct ctgacctggg aagcagtggg 60
aacagctggc tgcanntcgg aaagggtttct gtgaanagag cacaaaggac gctggnagca 120
cagttgtgcc tggcttggaa acacnaactg tgaacacaga tgtgattcta aagcaggana 180
ttttaaagga ggcagancca caggcatggc tacaagaagt atcccaggta atgggtccan 240
cacttaccan atgtggngac cncctctgagg actgggaana aaagctgcc aagctgctg 300
tntgctgcn gctccagggt tntgaagagc nnggacacac gtgncatccc gnttctcatc 360
gntgtgtcca gagaggaaag ggactctaan aacaatgagt ctgagaacag tggcagntct 420
gtnccttggtc annacatcca gacagcanaa ggactggnga ccaacagtca gtgtggggat 480
gaccacanac aagntncca tgtgaaatgc cattca 516

<210> 183
<211> 515
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = A,T,C or G

<400> 183
tactgcacct tcgtggtctc cttccataag cactactatc cctgggtcca gctttccgga 60
cacgctggga acttccaggc cggtgaggat ggtcggattc tgaaacgttt ctgtcagtgt 120
gagcagcgca gcctggagct gctgatggga gacccctgc gcccttttgt gcctgcttat 180
tatggcatgg tgcagcggga tggccaggcc ttcaaccaga tggagatct cctggcagac 240
tttgagggcc cctctatcat ggactgcaag atgggcagca ggacctacct ggaagaggag 300
ctggtgaagg ccagggaaag acccaagccc cggaaggata tgtatganaa gatggtgggc 360
agtggacccc ggggctccca cccanaaaa gcatgctcaa gggngccatt cacgaagccc 420
ccgatacatg cagngggngg gagaccctga ntttnacttt ccacgcttgg gcttttccgg 480
attngaaggn catcaanaaa ggctgatggg acctg 515

<210> 184
<211> 508
<212> DNA
<213> Mus musculus

<400> 184
aggagaagcc caagctccct cccagcaggg cccagtcctt gagctatgcc ttagcgacca 60
ctgatgcttc ctacttaagt tccattgtcc gactcttcaa aaacctcaac ttcgtgctgc 120
tggatcatcac ctatggtctg aatgctgggt ctttctacgc cttatccact ctgctgaatc 180
gcatggtgat cttgcacttc ccgggggaag aagtgaatgc tggagaatc ggtctgacca 240
tcgtcattgc aggaatgttt ggtgctatga tctcaggcat ctggctggat aaatccaaaa 300
cctacaagga gacaacctg gtagtgata tcatgactct ggtgggcatg gtggtataca 360
cattcacctt gaacctgaac catttgtggg tagtattcat cactgctggc aactgggct 420
tcttcatgac tggctatctg cccctggggg ttgagtttgc tgtggagctc acatacccag 480
aatctgaagg cgtgtcatct gacgccag 508

<210> 185
<211> 507
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(507)

<223> n = A,T,C or G

<400> 185

```
ctgccaggaa gcaactgggct ggtgtccata tnanagaagn atnaccntnt atggagactt 60
ctgctaataa gcaaaacaat ggtggatgag ctctttgcag aaattgtgcn ggcagatgaa 120
cctatgcagc tcagcctgac aaagatgacc catgctgttc tgccctgtaac atacaatagc 180
atccgaacat ggccctgccc ggacaggatt cgtctaggct cgtaggcaac agtaaccttg 240
tctactgcac tgcagtttgt aggatgggtg gtgtgtgagt ccacggtgca ctgcaacctt 300
caggccggat ggccagctga tgccctctgag tacctgtggg ttccgtgact acagcctcca 360
cttctgtcct cagtccttgt acatctgcaa cctgaaggcc ccaccgcaa gctacagggt 420
gacctcattt gacgtgatga tggcattgct gttgaggatga cagaagccac tgttgtgtaa 480
actaaaaata atcatgagag agaaact 507
```

<210> 186

<211> 504

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(504)

<223> n = A,T,C or G

<400> 186

```
actgaggtgg tgaattctta ctctgttggg aacacaggaa catttgtgag caggaagtat 60
gcttcccaag ttcaagcgcc acctaaatga tgatgacgtg accgggtctg tgaaaagtga 120
gaggagaaat cttttggaag atgattcaga tgaagaagag gacttttttc tacggggacc 180
atctggacca agatttggac ctagaaatga taaaattaag catgttcaga atcaggtgga 240
tgaagttatt gatgtaatgc aagagaatat tacaaaaggta attgaaagag gagagaggct 300
ggatgaacta cnggacaaat canaaaagctt atcggataat gccaccgctt tcagcaacag 360
atccaaacag cttcgaaggc aaatgtggtg gcgtggatgc aaaataaaaag ccatcatggc 420
tttggctgca gcgatccttt tgctaattgat tatcattctt atanttgtga aattccgtac 480
ttgatttgat gacagagacc ctga 504
```

<210> 187

<211> 501

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(501)

<223> n = A,T,C or G

<400> 187

```
gaggagtccg ttcgaactgg accaagctgc cccacctctc ttcagtaaag tggttattgt 60
gttgatagat gcattaagag atgattttgt gtttgggtcg aaagggtgta agtatatgcc 120
ctacacaacg tatctggtag aaaaaggagc atctcatagc tttgtggctg aggcaaagcc 180
accacagtt actatgcctc gaatcaaggc ggataaaaat gtcacaaggc atttggacaa 240
agtattaaaa agaggagact gggatgtgtt aatccttcac tatctaggac tggatcacat 300
tgccacatt tctgggcca acagccccct gattgggtcac aagctctngc naaatggaca 360
gtgngctgat gaaaatccnc cttcactgc tgnctgaaag gactgaaaga ctctcttacc 420
cagtnegctg gntctcnngt gncgaccatg gaantgncct gnaactgcna gcntggcgcn 480
cctctttcac ctgaggaagt g 501
```

<210> 188

<211> 500
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(500)
 <223> n = A,T,C or G

<400> 188
 aactgagcat cctaagtgtcc tatgatcatg tggagcttac cttcaacgac atgaagaatg 60
 tgccagaggg cttcaaaggg accaagaaag gcaccgtcta ccttactccg taccgggtca 120
 tctttctgtc taanggggaag gacnccatgc atntccttta tgatgccctt ttaccngatg 180
 aaggacntgt gatattaanc acccgnggtt nngngccanc ttnattaagg gaatagtga 240
 ggctgaagca tgangtgnct ggaaaggntn cncntcntac annctgacct tnacagcagg 300
 gggcgccatt nagttngngc anangatgct ncagntngna tntnnagcct tcnaagggtga 360
 agtccccaat gggagtacta tggctacttg ttanatgcnn agcngggcct aagtgtttac 420
 tncgncagtc gnaaatggga atgtacncct gcanntcntg nntatggnta tacagcaccc 480
 gcgacccgga gtgctatcca 500

<210> 189
 <211> 497
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(497)
 <223> n = A,T,C or G

<400> 189
 ctctgagcc cttgccgctg tgacggntca gtgcgttgca cacaccaacc ctgcctaatac 60
 cgctgggann agtgagaggg gctcatggag ctgtgagctt tgctacttca agtaccaggt 120
 cctggcgatc ancaccaaga atccactgca gtggcaggcc atctccctga ccgtnatcna 180
 gaagggtccan attgctgcta tcgtcctggg atcgtctgtc ctngnggggn gnattctctg 240
 gctcatctgg ncctcgctca gcccttcagc caagtggcag cgccaggacc tcctcttnca 300
 natattgctat ggcattgtacg gcttcatgga tgctgtcttc atangcctca tcgtccacga 360
 agggnccttct gtttaccgna tcttnaatcg ctggcaggcc gtgnaccacc agtggaaagt 420
 nctgnnctat nacaagacca aggacgtggg aggagacaca gggggagggg cggcagggaa 480
 nccaggcccc aggacct 497

<210> 190
 <211> 495
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(495)
 <223> n = A,T,C or G

<400> 190
 cccactggtg caacctagag cgatccatnc ncntgcncnn ttactacctg naccntatan 60
 tantncagcg aggaatcctg cnccaacntc cactnggtng atacanctgg ggnacacaact 120
 attantaatg ctgagccgtt ganaaccatg nnnnnnnntn gnanacanga ggaggacttt 180
 gtgtcntttac acacctcgag acaaggagag ccttcatgag aacctcaggg accctagtcc 240

```

aggggtcaag gctgagaatc tggagctggc catccagaaa gaggtgaggg cctgcgagtg 300
gcgaccgaat gagagcacct cctcctagct ggcctaggat atctgagctg cgactccagc 360
ctgtagccca gttctccagt catgcccctg aaaccattct gggggtggga gctactcagc 420
cttctncagc gtcacactcc cttagctttag ngccctgctg ggggtgagcgg ntcttccatc 480
ccagctaacc ctcta                                     495

```

```

<210> 191
<211> 489
<212> DNA
<213> Mus musculus

```

```

<400> 191
actgagtgtg gatctgcagc agcaaatcat gactattgta gatgagctgg gcaaggcttc 60
tgccaaggcg cagcacctcc ctgcacccat caccagcgct ttgaggatgc aaagcaaccg 120
gcacgttatt tacatactga aggacacctc agcccgaccg gcagggaaag gagccattat 180
tggtttcttc aaagtgggat acaagaagct ctttgtactg gatgaccggg aggctcacia 240
tgaggtagaa cccctttgca ttctggactt ttacatccac gagtccgtgc aacggcatgg 300
ccacgggcca gaacttttct agcatatgtt acagaaagag cgagtggagc cccaccaact 360
ggccattgac cgaccatcgc cgaagctgct caagtccctg aataagcact acaacctgga 420
gaccacagtc ccacaggtga acaactttgt catctttgaa ggcttctttg cccatcagca 480
ccgtccagc                                     489

```

```

<210> 192
<211> 488
<212> DNA
<213> Mus musculus

```

```

<400> 192
gaactgagct gaagatgtcc acctgcttgg tcagctgccc cactctgatg aagtgttccg 60
gcagatatgc agctgaggcc tggaaacagga agcactgcct gccgtcatca ttaggccagg 120
ggctctgcac cggaagctta cctgaggcag agctgcattc ctgacctgag gaatctgtcc 180
atggaccctg gactggagcc ggccacctgt gggaaaatac acagcccctg aagaccatc 240
caccctcagc ccccgccctc actgctccct gcagacacc cccctcacc tccctgagct 300
tcttgaaggc gaaggccaca ccgttccctt gacctggta gatatcggca aagggtgccct 360
cgctgattcg gtggctttgg tcaaagtcct cagttgcttg gacgacatct gcttactcc 420
agaaaagcct gtctccgggc aaacccaaaa gcctttcttg cttgggggca gatgtggaag 480
tactgctg                                     488

```

```

<210> 193
<211> 483
<212> DNA
<213> Mus musculus

```

```

<220>
<221> misc_feature
<222> (1)...(483)
<223> n = A,T,C or G

```

```

<400> 193
atctttcagt tgcattttta agnangnagg ctcatggtgc aaattgttat ttccaggga 60
tccctgtgct gatcgtgggc catcatatcc tgtatgggaa aaccatccac ctggagaaac 120
cttttgcagt cttgtcaaaa cacactcctg ggaagcagga ctgtgatgag cccggtcgag 180
ggactggcac ccagtacttg gtgacagcac tcatcaaaaa caagatcctt ttcaaaactc 240
gccccaaagg tattatcacc aacgtcccca agaaagtatg aaagaacccc ggattttccc 300
tagagagcga ccaactcctt ggactcgtgc tccattgcca cctcgaggac ggctggacgg 360
agggcctgtt atgaacgcag gccacccaat ggggtgtgaac tcagatcctt tccttatggc 420

```

agcaggttct cttggtggaa acctggctcc atttccaagg gaatgcagct ccttttcaga 480
atc 483

<210> 194

<211> 481

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(481)

<223> n = A,T,C or G

<400> 194

gaccatgcac tgactcacag tnntgacaga agtcttnttn ataccagta agggacactg 60
cctcactgcc atcncnagcn ancgtntnt canttcatgn gccacttgnc acanaagaaa 120
nggtngcggc tgagcaanca cgtgtngcat cgctgtttga gaacaagnct gagggacctg 180
ncnatgaagg acnttacaga naacnacttn ccanaaacat nagtttttgt tagctagaac 240
agcacgagtc accttcatgt ccactgacga tgggtcaccc tgctgnagcg nccactcata 300
aaggacaang gcgtggangt ccgagctttc tcgaccatct agaactaccc cgtctgtggg 360
cagatgtaaa accacatcct tcccagcctt gctaacggga ggcttgcct catctgtgaa 420
agagaagaga caggagaggc atgcctctct gattccccag ctgatgaaca gcaatagctc 480
t 481

<210> 195

<211> 468

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(468)

<223> n = A,T,C or G

<400> 195

agttgcgcat gcccccaagg tcaanaagcc agggaggaag ccatagnenc ctgnccttgn 60
gaaagcagag gccgccactg ntgaanggan accgtaatnc ctcacctagc tctggtgnca 120
nctccagccc accaggtccc accctgaggg cccggntgcg caacctgtta gaaaatgcct 180
ggctcaacgg ngtggcactg cctacttggg gtcacaaggc ctccggagca gatnngacct 240
tcgcctcacc ccagctctt gggcangnca gacccatnat cttgtancat tgttaccagg 300
gctatttgtg gaacagtccac catcncgggn gactgntgna gnaccttgn cttgacatnc 360
atnctgcccc gggctaaggn gttgnatnat nagnntgga gcnccancct taaccngggc 420
aanagaactt tgcctgaacc ttttnaaact tngaaggatc acctttct 468

<210> 196

<211> 467

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(467)

<223> n = A,T,C or G

<400> 196

gctgcttcct acctttgact ggagacgtgg nctacctcat cgtagacacc ccgcctggca 60

```

cgtctgacga acacctctca gtgggtccagt acctgggtgc ggcacacatt gatggggcag 120
tgatcctcac caccctcag gaggtggccc tccaggatgt ccggaagag atcagcttct 180
gccacaaggt gaagctgccc atcattgggtg tggtagagaa catgagcggg ttcattctgcc 240
ccaagtgcaa gaaagagtct cagatcttcc ctcccacgac tgggggtgca gaggccatgt 300
gccaggatct gaggattcca cttctgggca aagngccgct ggatccacac ataggcaaga 360
gctgtgacaa aggccagcnt ttttttgtcg aagcctccag atngaccagn cacagnctnn 420
ctacngaagt atanttcaga ggatnccgag acttttgtta ttctcat 467

```

<210> 197

<211> 460

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(460)

<223> n = A,T,C or G

<400> 197

```

gatctgagtt cgtgcccttc aggggtctatg tggaccgcac cggcaaccac gtactgagca 60
tggcccgctt ggcccggtat gttctggctg agattccgga ccaactgntg tntacatga 120
aggcacaggg catncgcca cgccnccan ctgctgcacc cgctcagtc cccccacagt 180
nccanccca ctcacctctt ggatccccg tgcacacgca tatctgaagc tgagaggacc 240
aagggcctgg agggtaggct gacaccctan aataatanta naaaggcttc ccntntttt 300
gcttngaggg ccagcnnnaa atgggggtgc agggncctac accacttgac acncaaattc 360
aggggactgt ggtatacaaa acaagnngta cacngattat ggggctgagg ggaccacccc 420
tagtccatgc cngacaactn cnagactttt ttatttttgc 460

```

<210> 198

<211> 460

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(460)

<223> n = A,T,C or G

<400> 198

```

ctgtggcaga agtaaaactt cnagtatgac cagtatacat tagaacacat gcatgctttt 60
gggatgtata attatctgca ctgtgatgcc tggatatcaag acagtgtcta ctacattgat 120
aaccttgga gaattatgaa cttaacagtg atgctggaca ccgccttagg aaaaccccca 180
gaggtgttcc gccttcctac agatgtgaca gcatatgaca atcgtctttg ggcattctatc 240
catttcacat ccccttcctg gggtaccttg tcagatggaa ctggaagact gtatgtcatt 300
ggaacaggtg accgtggaaa cagtcctgaa aaatgggaga ntatgnttna tgaananntn 360
ggaanntctt ttnttatnnn tnnccagtatc tcaactgnga gagntgaaga acnttgaggg 420
nctatcctgc tntnttnaat tgagaaggag gaattggacc 460

```

<210> 199

<211> 459

<212> DNA

<213> Mus musculus

<400> 199

```

actgagggat ggatccgggtc cgtcagatcc cagaggaagt tttgttcttg catgtaaattg 60
acggatcttc tttggaaagc cttcagattg ttgcggattc aagcttcgac agtagagaat 120

```

```

tgacttttgg gagttctgtg caagtccaag ggcagcctgg tcaaaagtca gtccaagagg 180
caaaatgtgg aactgaaggc agaaaagatt gaggttattg gagactgtga agccaaggca 240
ttccctataa agtataagga ggcacaccct ctggagtacc tgagacagta tcctcacctg 300
agggtgcagga ctaatgctct gggttctata ttgagggtcc gcagtgaagc cacagctgct 360
attcattcct actttaagga caatggcttt gtgcacattc ataccccagt actcacatcc 420
aacgactgtg aggggggccgg agagcttttt caagtggag 459

```

<210> 200

<211> 443

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(443)

<223> n = A,T,C or G

<400> 200

```

acaaatctga ccggatgggc tcagngggcg ctagnacagca tgaaactcgt nacacctatc 60
caaattggaa gnacaccgtc gacacatncc ctanaaactt attgaagggt ggtacagagg 120
ctacacctta aggaaaaagt ctaaaaaggg natatcttnc tgnttacatn ttttcntttt 180
ataaganncc annagtgaga aggaaanagg gcncatcgn naccgttcat ccctggggac 240
ctccccctta tacaggaaaag tcaccacaaa cgcttcgaga gtggtctacc atctggaggc 300
aactttatgt ggtaagaaac tgggatgctc agttaagat taaaaatcca gagcgggtgt 360
tctggtccct gtaccaaaat agacttttcc ctttccctgg gaaccttang aagaggagag 420
gctctgagca aggggtctttg ctt 443

```

<210> 201

<211> 441

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(441)

<223> n = A,T,C or G

<400> 201

```

actgtaatgt ctgtactttg tccagtgtcg aaattcagtt tcatattgct cactcatatg 60
aaaccacagng ttttggtaaa gnatcaacaa cctccatttc aaactgggtc cacacgatat 120
ctccaagcag ctagcactaa tgatcagaat cagaatggaa atcatactct gcctcagaat 180
tcaaaagggg atgccccaaa tcacttctta cgtattccta cctcagaaga acaaaagatc 240
attaacttta ccaaagagag caaggattca agaagtaaat ccttgacttc taaaacaagt 300
aggaagatag agacacatct aatatctgtg ttaatgcaaa gaagcattct aatcgtatct 360
atcagatctc atcagttccg atttccagcc ttaataataa agaatccgtg tcaccagatt 420
taatagtgtg aaaaaaaaaa a 441

```

<210> 202

<211> 418

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(418)

<223> n = A,T,C or G


```
<400> 205
gactgagaag gcggctgggc tttggcgagc ngganaccaa cctaagtttt ctgccttgga 60
gatgctggag aattcgctgt ncagccccac ctgggaagga tcccagttct gggtaacctc 120
gcagaagacc gaggtttctg aacgctgcgg cttgcaaggc tcctacatac tgaggggtgga 180
agctganaag cctgactctc ctgacttttg gtgcgcagag tcaaattcctg gagccgctcn 240
ttttctggcc ctacactctg ttgcgtcgct atggccggga caaggtgcat ggggctgtct 300
gggaggatga cccgtcaggg agggctacca ggttgagtag ctgtaggtga caattccatt 360
ctcaggtggt ctcttctgtg cagatacagt aaaaaaaaaa 400
```

<210> 206

<211> 399

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(399)

<223> n = A,T,C or G

```
<400> 206
aatccccaga ggggcatgca gntgcacact gtaggctgtg gcacctgcct ttgacttcca 60
caaagagatc gactacatgt tcctggtggg cacagaagag ggaaaaatct acaagngctc 120
caaatcctac tccagccagt tcttggacac ctatgatgct cacaacatgg cagtagacgc 180
tgtgctatgg aaccataacc acaccanggt cttcatgtcc tgcagctctg actggacagt 240
gaagatctgg gaccacacca tcaagacccc catgttcatt tatgatctga actcagccgt 300
gggtgacgtg gcctgggcac cgtactcttc cactgtgttt gcagcagtca ccacggacgg 360
gaaggcccat gtgtttgact tagcgggtcaa caagtatga 399
```

<210> 207

<211> 391

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(391)

<223> n = A,T,C or G

```
<400> 207
ggccctgcgt tgatgtggac gccacagtca nntgcnggn anatggagct acccaggtg 60
tnggtgatgc ccanggacag ngcacctcna tccttacngt atctgcanct gccaggagcn 120
tgnntgcngt cncacctgca acacnagcga tgcttgggcn actctgaggn catggnatca 180
nntggagnac gccttcncct ggtgtgaaga tgacatctgg gaaaggctca ctcagctatg 240
gcaaagtact cctcccttga ccagaaccac atcgctccat gctacccctt gctggacagt 300
gtgggcaactg cacatagctg gcctagaggg cttggacaca gccaccacc agctgactat 360
aaagatagga ctctcaacct aaaaaaaaaa a 391
```

<210> 208

<211> 390

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(390)

<223> n = A,T,C or G

<400> 208
actgagtttt tgggaataac gtttcttggg atcggactgt gggcgtggaa tgaaaaaggc 60
gtcctactcn ancactcnngt ccatcacccn cctcgnnggc ttcagaccca gngtgnccctt 120
gntccttctg gttggnagga gtgatgtncn ttcntgnggt tgtncagggt gcatncggag 180
caccttctgn acnanacngt ttcntntcaa gttntntngc tgtgccctn ggggatcatt 240
ctttttctgg aactcacctg ntgggntgtn ggcntttgtn ttnaaanacn ggatnaaaga 300
ccagctnnat ttctttatta acaacaacat caagagccta cagagatgac attgatctac 360
agaacctcat agacttcacc caaggaatat 390

<210> 209
<211> 386
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(386)
<223> n = A,T,C or G

<400> 209
ggggaatttg tgaccagnaa gtgtgagagc cgacagggcc gtcaccagtg cctctgtgaa 60
gaaggttata tcctggagcg cgggcagcat tgcaaatcca acgacctcct tcagtgcggc 120
ctccattatc ttctctaatt gtcgggattt gctagtgtga gatcttnatg gaagaaactt 180
ccggattcta gcagagtcta agaaccgngg aatagnnatg ggagtggatt ttcactatca 240
naagcacaga gtttttttga cagaccccat gcaggcgaag gntttttcca ctgacattaa 300
tggcttaaat acccnacaaa ntcttaatgn ttctattgat gctccagaga atctggctgt 360
ggattggatc aataataaac tttatc 386

<210> 210
<211> 380
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(380)
<223> n = A,T,C or G

<400> 210
actgaggctc gtcccatga ctaaaactgaa tgcccaagtc aaaggctctc tcaacatcac 60
cactcccggg atacagatat ggaggatccg aggctatgca gatggtacct gttccttcca 120
gcacctttgg aagcttcttc gatggtgact gctatgtagt cctggctgta ngtggaacag 180
gccaggacag gtccgtgtcan aaaagcanag cctgntgggn attagggang aagctanagg 240
ctgggggagc ngntgatgna tggcttagct tcattagtca ctgttaagcn agagtgacca 300
ggactacagc tgnnggggctc catgggggctt agaaatgttt gnaaaagtcc tttctagctn 360
aagagctaaa aactcattca 380

<210> 211
<211> 366
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(366)
<223> n = A,T,C or G

<400> 211
aactgaggaa agaatcccaa ctccattgnc acatggcctg gccgacggag cggctgtatg 60
atcgtcataa ctccatcct ctctgccctg gccggcctct tgctcctggc tttcctggca 120
gcttccacta cgcgtttctc cagcctgtgg tggcccgagg aagctcctga gcagctgcgg 180
attggctcct tcatgggaaa acgttacatg actcaccata tccncccag cgaagctgcc 240
aactgncgg tgggctgnga ncctggncct gaccccttc ccagtctcag cccgtagcct 300
ggtctntgta ncttggncct ggggtgaggg gcagagagca gatgtgcagg tcctgtgggg 360
tggggg

<210> 212

<211> 351

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(351)

<223> n = A,T,C or G

<400> 212
cagaccctgg acagacacct gcggtaaactc acagaaagat ngcnacccac ccctacntgc 60
cccagnatnt tgccagnag acttcatttn cttgngcant ggancacca angccagaag 120
aaagggctcc gaaatatnaa aattattttt cagcctncga aacaccctnt ttaaaaagan 180
aattgagttg gtaccnagga cgaaggccaa gaaccgcttt caccataac caggnccaag 240
tattggaaaa tgtnttagg gggaacngct acccttgctg tgacctnaga gnggagctan 300
ctcaaaagct nanttagagg aagacagaat ncanatttgg gtccacaatc g 351

<210> 213

<211> 344

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(344)

<223> n = A,T,C or G

<400> 213
gatgtgcagc ccccataggg caggagccga gatggcctgc tgacagtga cctgcggggag 60
ggttcccgcc tgcacctgtg cgctgagacc cgggatgatg ccataacatg gaagactgcc 120
ctgatggagg caaattccac cccggtncgc gtctacagcc catatcagga ctactatgag 180
gtggtgccac ccaacgcaca tgaagccaca tatgtccgca gctactatgg gccaccttat 240
gcaggtcctg gtgtgacaca cgtgatagtt cgagaggacc cctgctacag ctcangagcc 300
cctttggcca tgggcatgct tgctggggct gccacgggga cgtc 344

<210> 214

<211> 340

<212> DNA

<213> Mus musculus

<400> 214

tggtgtgtgca gctgccgcca ggtgaagatc tcaacgactg ggttgccgtg cacgtgggtg 60
atttcttcaa tgcacatcaac ctcatctacg gtaccatcag cgatggctgc accgagcagt 120
cgtgccagct catgtccggg ggccccaaagt acgagtaccg ctggcaggac gagcaacgct 180
tccggaagcc cacggcgctg tccgcacccc gctacatgga cctgcttatg gactggatcg 240
aggtgcagat caacaacgag gacatcttcc ccactaatgt cggcacacca ttccccaaga 300

ccttcctgca ggcagtgcgc aagatcctgt caaggctgtt

340

<210> 215

<211> 332

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(332)

<223> n = A,T,C or G

<400> 215

gactgagatt agcacagtga tccagtctcg agtgaatgac caggaaggcc gagtaagaat 60
tctatgttca ctatgtgggc tttaacaggc gactggncga atgggtggac aagaaccgac 120
tcnnaactgac caanacagtg aaggatgccg ngcntgaaga acatctgaca aatacctgag 180
tgagcttggc ctgagcagcc agagcccaag atcacctcna aaccaataag cgaaagcatg 240
atgagatnaa ccatgtgcag aaggncatg gcccctccct tctcaggacc atcacaacaa 300
agccatagca actcccatgt gaaaaaaaaa aa 332

<210> 216

<211> 328

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(328)

<223> n = A,T,C or G

<400> 216

actgaggtgg ggtcttttctg agagacatgg agctgntggg acagaacgaa gtggaccgcc 60
ggcagcgcan gttggtcatg ctgagccagg actgcgttct acaaggntct gacggccgag 120
cagaaggcca aggcgtttga agggacagta caattttaga ccacncagat gcattttgat 180
aatgatctgg tgcacaagac cctgaaaaac attgntgaag gcaaaactgt cgaggtccct 240
gcctatgatt ttgtgacca cncaaggta ccanaganca cntgtggnnn acccagctgn 300
tgtngnttct gttcgagggc atcttgga 328

<210> 217

<211> 323

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(323)

<223> n = A,T,C or G

<400> 217

gactgagata ttactctgga gagaaaaggc cccggttctc accatcttca ttggaggaaa 60
ccatgaagcc tcaaaccatt tgcaagagtt accctatggg ggctgggtag cgccgaatat 120
ttattattta ggcttggnat natggtgcan nataccnngg agtaaggana ggtggcncca 180
tctggcctat ttaaatcnca ngattataga aaaggtcatt ntnanngccc cccttataat 240
ncatctacca taaggannat atgtcatgtg agaantatnn agnnntacat tttaaaacag 300
ttaaagcaaa ctaaaaaaga aga 323

<210> 218
 <211> 323
 <212> DNA
 <213> Mus musculus

<400> 218
 tgagatctta gcaaagctat gtctcaagat ggtgcttctc agttccaaga ggtcattctc 60
 caagaactag aattatctgt gaagaaagaa ttagaaacat atcttctgtg ttgaacaagt 120
 tgggtggtagt gaaactcaat ggtgggtttgg gaaccagcat gggcctgcaa aggccctaaa 180
 agtatatgcc tggaaactgga ccacctcact gtttcaggag atgtgacatt tggaaaaaat 240
 gtttcactaa agggaacagt tattattatt gcaaatcatg gtgacagaat tgacatcccc 300
 ccaggaagat tataaaaaaa aaa 323

<210> 219
 <211> 319
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(319)
 <223> n = A,T,C or G

<400> 219
 ggacagctag tgaccgtaaa cccctntggg cancgcnngg gataagcttc cgaggggact 60
 gtggaaggag ccgcggtctcg cacagngnac ctcttgccct gcatcccagc gaggactttt 120
 tggtaagatg taccgggatt cttcattttc ttaaagccct gangtgnaga gaactaaagg 180
 acggttcttg atggnacnct canaaaacnn nttacacccc anncccaactg ntccttngca 240
 ctccgtcaag gctcgcttct gttccaactc atctgcgaat tncacaaaac catagcccct 300
 ggagggaaaa aaaaaccaa 319

<210> 220
 <211> 317
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(317)
 <223> n = A,T,C or G

<400> 220
 gaactgaggt ggggtcttta gcctcctccc agggggcccga cacacgttcc acttggtgca 60
 ccaccactga tgctcctga ggggtgctcca cgtgcacgct caccatcgat gctactcctg 120
 agcagaggca agatggacaa tgggatatat ctacacgagc tctgacttgc taggagtaga 180
 ttggagaggg cncaccttnn nangggctca cnganagaac catagatagg aaaaaaggac 240
 ntggagnnta nggnaggaan ncncnantga tagggncatt gnttaatntn tnangettatt 300
 nactgcctg cccttgg 317

<210> 221
 <211> 315
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature

<222> (1)...(315)
<223> n = A,T,C or G

<400> 221
ccagcctgag ccccgncctg gggcacagag nttgctncac ctgcagnctg tncctgcngg 60
acctcaccgt cgcncgctcc gagtgcattg acccctcagn ggtctttccc taccgctca 120
acgacagcag ctgccccaaa tctgtacct cgtccgattc cacggccttc tctccttct 180
cggactcgt gctgtcctcc gagtctctcc cacgggccag ccctgagccc ctagtgtctg 240
atgaggagac accgcccacc accagcagcg actctgaaga agagcaagan gatgaggaag 300
aaattgatgt ggtgt 315

<210> 222
<211> 309
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(309)
<223> n = A,T,C or G

<400> 222
gagcttcaac atccaggcca ggtctctgcc tcagaaagtc agtgcgaccg ccattgtccc 60
ctgcctctca cctcctgggt cactggtatt tgaggatttt gctaacctga caccctttgt 120
caaggaagag ctgagattcg ccatccagaa taaacacctc tgccatcgga tgtcctctgc 180
gctggagtca gttaccgtca acaacagacc cctggagatg tcagtcacca agtctgaggg 240
ggccccctgaa gaanatgaga gganaaggag gctggcgaga nagaaataaa attgctgctg 300
ccaagtgtc 309

<210> 223
<211> 307
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(307)
<223> n = A,T,C or G

<400> 223
gggaactgcc taggacttgc ctacttttca ctgcaggaag tcttctgac tacagttgcc 60
agnagacgga agcacacacc tttaggnaga tcgtttacat taagctggna gagcccttgn 120
ctgcttgctc taaaatgctg aggnactggg gagagatacc aataccgtaa ggacagacca 180
acagaagttc ctttgatctg ctcccacggg agttccgtnt ggtggaagnn catgaccgc 240
ccctgcacca gccctcagcc aacaagccga agccccccac gatgctggac attccctcag 300
aaccgtg 307

<210> 224
<211> 303
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(303)
<223> n = A,T,C or G

tgtgctggga caacacgtgt cattttaagt gcttagggga aacgtgggtt gccctttgtc 240
 ttgctccatt attgcagaac acttttgtgt gt 272

<210> 228
 <211> 271
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(271)
 <223> n = A,T,C or G

<400> 228
 atgagttccg caggcatgga actgactagc tcccaggaca ggaaggcttg gcaagttatn 60
 agttttttgc ctaagactgc caagtgattg ncaggataac attggaaaaa agaatttgac 120
 cctggnatca tcttcccgcg ggtcagattg gttaatttnc aatcaaagca tcccagaagn 180
 acccatgaag caaagaaggc cctgtcaggg cagctnctgc tgtggggcga tccatagtgt 240
 gtggaaatct actcaagact tttgaggag a 271

<210> 229
 <211> 270
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(270)
 <223> n = A,T,C or G

<400> 229
 gtgtattacg cacatcggct ggcannnnng agaacagana gggactgncc atgncacctg 60
 nggtcgtggn ancaatancc agggcgattt ggnaaagntt tcntggaacg cagnggtgac 120
 ccggnctgac agngggcact tgtatgccat gaaagnntta aaganggccca cgctgaaagt 180
 gcgtgaccgn gttcggacca agatggagag gaagcagnan agcanttttg gggaaacctg 240
 ctgtctgcca ctanacagag atcacaggag 270

<210> 230
 <211> 263
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(263)
 <223> n = A,T,C or G

<400> 230
 ctgagcaaca tagggcgggc gcatgaagcg cttgggagac tttctgaact tggaaaactt 60
 tgatctggct ctctggatg aggngtggag tgagcaggac tnncagaacn tanggcnnag 120
 gcgtatcttg ttcacctatc nagatgcaca cgtacgttca naagcgngga tnanaggcaa 180
 agtntcatg ggcnnetcc nnnccccan tcttgganag gattccanct tgtctacagg 240
 cgtgnatggt gaccaaatac atg 263

<210> 231
 <211> 262

<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(262)
<223> n = A,T,C or G

<400> 231
gaactgagat ctccgtctcc cggaaccagg gctgctcatc tcgtgaggag aaaatcttga 60
ccgccacgct ttcgccatgc cacgaaccgc gccacacctc gccatatcag gccctttcct 120
aatccatggc caagggaaga ataaggatca catactagac acacatagcc ctagaagacc 180
ccaccccaat tctggatgct ataaagatcc cctctgtaaa aatcggattt tttttaanct 240
tttttttttt tttttttaa aa 262

<210> 232
<211> 247
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(247)
<223> n = A,T,C or G

<400> 232
tgaagttaac gttacgcgct ctgccttaca aactgnaacc agctcaatac gccgctttca 60
gttcctgcag aaagcccggt ccttggttga cctgtgtgct gcgcctggcg gatggntacn 120
tntggcnggc actggtatga nnacannnac ctntatntga tgagcttacc agttgttnat 180
tcaaggatga tgngaattnn attacacaat tcatattaaa tattccataa actgtgtctc 240
tctcaac 247

<210> 233
<211> 246
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(246)
<223> n = A,T,C or G

<400> 233
ctcactcttc taaaaaanen ccccnanctt naagaagcct tgnggacacn tcctacaaaa 60
cattgagatt tgctttttagg gcctccctga aaaccgctat ctaccgtata accaccacgt 120
ttggtgaaca tctgaacgct gngcaggcat ctgcngaaca tcanaaaaga cttcancaat 180
tcttgnagn ncaaagaata ntgangnaat ataaactgtg ttcattacc tgctgataca 240
actaca 246

<210> 234
<211> 238
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature

<222> (1)...(238)

<223> n = A,T,C or G

<400> 234

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actatcacag gcaggtagna tatggcaaga agacatgcgt atgtcagttt taagccatgt 60
atgaccaggc atgaaagaag cttgggtcgg gctgggtgat actatgaagt gttggaacta 120
gacgatgttc caaaggagaa cacctcaggt tccagtncat tggatcaagt ccatcctgct 180
ttaccaaagt aacctacagt tgaaaaaagt gaaacagaaa tttctactaa aaaaaaaa 238
```

<210> 235

<211> 235

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(235)

<223> n = A,T,C or G

<400> 235

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gagtgccctt tagcgtcttg gnnacaggng ctgcgtggct annacacagc ctgtcgccta 60
cttcggggca cgtctgcna acgggtgcang ntccnnaag ncaaggtatg ccgtccgaag 120
naccctttta gggactttta caaaagggt aaaagngctg atgtagggaa ntggccctg 180
cactgacgac atccgaaggg gaagtgcact gtgctcctgc aggtctatga cgctt 235
```

<210> 236

<211> 233

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(233)

<223> n = A,T,C or G

<400> 236

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gaacaaaact ggagccttcc taggnctggg agagctaaaa cgcttagatc tctccaacaa 60
tcggattggc tgtctcacct ctgagacatt tcaagggtc cctagacttc tcagactaaa 120
catatctgga aacatctact ctagtctgca acctggggtc tttgatgagc tgccagccct 180
tagctatagt gccacactga atgtcaataa acagcagctg aagcaaaaaa aaa 233
```

<210> 237

<211> 232

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (1)...(232)

<223> n = A,T,C or G

<400> 237

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actgaggagg tatttgatca tgggtcacct gngaaagcna nggcanatcc actaacnnga 60
nnctacntat gaggaanaac tgnaantcgn nctggctnct tgattngagt atttattaan 120
gcagacagag cctgttcgca catttcattc agcctgctgc tcagaagact ccaacctcac 180
ccttgaagat gaaaccaggg ccgcccacgg gtaaaaaagg ataaaaaaaa aa 232
```

<210> 238
 <211> 215
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(215)
 <223> n = A,T,C or G

<400> 238
 tgctggagta cgccgtttcc accagtgcta agttngcagc agangattta aagttcctgc 60
 agctacaagt gcgattatta ctaatgatgg gaatangaat aaatcctgca cangactgnt 120
 gggaatgttt tectggaagc gnggntnaat anctganaat tattnntagn agaaccnng 180
 gtgtgaagct ggtnatatnt gcgtgggtgg gaaca 215

<210> 239
 <211> 203
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(203)
 <223> n = A,T,C or G

<400> 239
 tgcggcccca gcaggagccc ggcctcatct ctggagtcca tgcgggaatt gcatgctgaa 60
 ctccaagggg acnactggag ggtcancctg gaggatcaca gcagccaagg gactttggnc 120
 aaanaatgnc cgacttnnaa naggccacag actggagttg agtgangggg gacctttntg 180
 acctttggcc cccaaaggtc aag 203

<210> 240
 <211> 178
 <212> DNA
 <213> Mus musculus

<400> 240
 tgagatctgt ttccctcat ctttccctca gagccagccc aggcttctgg gccttatgtg 60
 gagatcatcg aacagccgaa gcaacggggc atgcgattcc gctataaatg cgagggggcg 120
 tcagcgggca gtattcctgg cgagagaagc acagatacca ccaagacaca aaaaaaaa 178

<210> 241
 <211> 176
 <212> DNA
 <213> Mus musculus

<220>
 <221> misc_feature
 <222> (1)...(176)
 <223> n = A,T,C or G

<400> 241
 ctgcccaccc tccagactgg gcgccatngn tccaaggctg tgacccgcca ctggcgagnn 60
 atgcacttgc agcggcagaa gctgagaggc gtataacgtg annatatctc ctgcaccaaca 120
 ctctgccatc anccacgaga tgctgcntc ctntcncaa gcccccaag gaggag 176

<210> 242
<211> 169
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(169)
<223> n = A,T,C or G

<400> 242
gttgcgcttc tccgctgcag tcaaaactcc tcattggcta aaatgcccc aacaggngcc 60
tgcattgtcca atggcttcca tggcatactc cacttggtat aancgacct caaaacagtg 120
agtcaccacg gttcctntcg ctcttgacc actcatctga gaaaaatca 169

<210> 243
<211> 133
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(133)
<223> n = A,T,C or G

<400> 243
acgtctactc taaggaccan ntgcagacnt tctctgngga gcacccctgnt cttctaacgg 60
aggccccact gancccccagt aagaaccggg agaaggnggn agaggtcttc ttgaaacct 120
tcaatgctcc tgc 133

<210> 244
<211> 130
<212> DNA
<213> Mus musculus

<400> 244
gctagaagaa agccaaggta attgcagtaa tgaatgctgt ggaagagaac caggcctctg 60
gagagtctca gaagggtggag gaggccagcc ctctgctgt gcagcatccc acgggtgcct 120
gatgatgcaa 130

<210> 245
<211> 130
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(130)
<223> n = A,T,C or G

<400> 245
gcgcaagtcc tgtcaggcct gccgactcat gaaangcctn aaagtgggga tgctgaagga 60
aggngagcgc cttgaccggn ttcgaggagg ccgctgnaa gtacangcga cngctggatt 120
cggtataaca 130

<210> 246

<211> 123
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)...(123)
<223> n = A,T,C or G

<400> 246
agctcactac cctgctggaa gcagngggaa aaggaccatg gnagtggnc a gcatatggc 60
accaaactct taccanaatg tctgaattat nttgaaaaag aaaccgaaga atatcttaaa 120
gga 123

<210> 247
<211> 113
<212> DNA
<213> Mus musculus

<400> 247
gaggactgga cggcagccct gctgaacagg ggccgcagtc ggcagccct ggtgctaggg 60
gataactgtt ttgctgattt agttcacaat tggatggagt tgcctgaagc aga 113

<210> 248
<211> 109
<212> DNA
<213> Mus musculus

<400> 248
actgagggga tgatgagcaa tctatacaaa tggctgcaag ttgggaagat gaaaaagtga 60
cacaagcatc atcaacaac tttgttgcta ttaaaattga tactaaaag 109

gagctcactac